

SERVICE MANUAL

AE-6B CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-28FX66B	RM-937	FR	SCC-Q83H-A	KV-32FX66B	RM-937	FR	SCC-Q83G-A
KV-28FX66E	RM-937	ESP	SCC-Q81K-A	KV-32FX66E	RM-937	ESP	SCC-Q81J-A
KV-28FX66U	RM-937	UK	SCC-Q84F-A	KV-32FX66K	RM-937	OIRT	SCC-Q82E-A
				KV-32FX66U	RM-937	UK	SCC-Q84E-A

FD Trinitron





RM-937



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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED & ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

Page

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE & SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

CAUTION

Lead Free Soldered Boards

The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



example 2

example 1

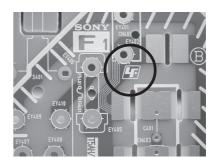




Table 1

Board	Function
С	R,G,B Out
F4	Power Switch & Fuse
H1	LED & IR Receiver
H2	Front AV and Headphone

It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

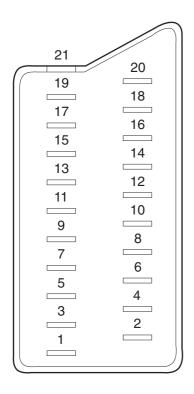
Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to http://www.sony-training.com

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
В	B/G/H, D/K, I, L	GERMAN/NICAM Stereo	VHF : E2-E12, R1-R12, S01-S03, F02-F10, B-Q UHF : E21-E69, F21-F69, B21-B69, R21-R69 CABLE TV : S01-S20 HYPER : S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
E	B/G/H, D/K	GERMAN/NICAM Stereo	VHF : E2-E12, R1-R12, S01-S03 UHF : E21-E69, R21-R69 CABLE TV : S01-S20 HYPER : S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
к	B/G/H, D/K	GERMAN/NICAM Stereo	VHF : E2-E12, R1-R12, S01-S03 UHF : E21-E69, R21-R69 CABLE TV : S01-S20 HYPER : S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
U	I	NICAM Stereo	UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

	Flat Display FD Trinitron Approx 71 cm (28 inches)	Sound output			
Picture Tube	(Approx 66 cm picture measured diagonally) KV-28FX66 Approx 82 cm (32 inches)	Right and Left speaker	2x20W (Music Power) 2x10W (RMS)		
	(Approx 76 cm picture measured diagonally) KV-32FX66	Sub Woofer	1x30W (Music Power) 1x15W (RMS)		
Input/Output Terminals [REAR]	General Specifications			
1: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for RGB.	Power Requirements	220 - 240V		
(CENELEC standard)	Outputs of TV Video and Audio signals.	Power Consumption	125W (KV-28FX66) 130W (KV-32FX66)		
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video.	Dimensions	Approx 785x515x525mm (KV-28FX66) Approx 883x567x562mm (KV-32FX66)		
	Outputs of TV Video and Audio signals. (selectable)	Weight	Approx 47kg (KV-28FX66) Approx 64kg (KV-32FX66)		
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (Monitor Out)	Supplied Accessories	RM-937 Remote Commander (1) IEC designated R6 battery (2)		
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	100 Hz picture, TV system Autodetection, Teletext, Smartlink, BBE, Virtual Dolby		
Input/Output Terminals [SIDE]	Remote Control System : Infrared Control			
Headphone jack	stereo mini jack		OV 1		
Audio inputs	phono jacks	Power requirements	3V dc 2 batteries IEC designation		
Video inputs	phono jacks	rower requirements	R6 (size AA)		
S Video input	4 pin DIN		(0.20 7 3 1)		
Design and specifications are subject to change without notice.					

Model Name Item	KV-28FX66B ~ KV-32FX66B	KV-28FX66E ~ KV-32FX66E	KV-28FX66U ~ KV-32FX66U	KV-32FX66K
Pal Comb	OFF	OFF	OFF	OFF
PIP	OFF	OFF	OFF	OFF
RGB Priority	ON	ON	ON	ON
Woofer Box	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON
Scart 3	ON	ON	ON	ON
Side in (4)	ON	ON	ON	ON
Projector	OFF	OFF	OFF	OFF
Norm B/G	ON	ON	OFF	ON
Norm I	ON	OFF	ON	OFF
Norm D/K	ON	ON	OFF	ON
Norm AUS	OFF	OFF	OFF	OFF
Norm L	ON	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF
Teletext	ON	ON	ON	ON
Nicam Stereo	ON	ON	ON	ON



1	Pin No	1	2	3	Signal	Signal level
2	1	0	0	0		
3	2	0	0	0		
5	3	0	0	0		
Audio input A (left) Audio input A (left) Blue input D. 7 +/- 3dB, 75 ohms positive High state (9.5-12V): Part mode Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF Ground (green) Open Green Green signal: 0.7 +/- 3dB, 75 ohms, positive Ground (red) Ground (red) Ground (lalanking) Ground (blanking) Factorial input Ground (blanking) Ground (signal) Factorial input Ground (video output) Function select (AV control) High state (9.5-12V): Part mode Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF Green signal: 0.7 +/- 3dB, 75 ohms, positive 12 O Open Ground (red) 14 O Ground (blanking) O Head input (Ys signal) Fight state (1-3V) Low state (0-0.4V) Input impedence: 75 ohms Ground (video output) Fight state (1-3V) Low state (0-0.4V) Input impedence: 75 ohms Try Ground (video input) Fight state (1-3V) Low state (0-0.4V) Input impedence: 75 ohms Try Ground (video input) Video output Function select (AV control) Function state (0-2V): TV mode Input state (0-2V): TV mode Input impedence: More than 10K ohms Input opacitance: Less than 2nF Function state (0-2V): TV mode Input impedence: More than 10K ohms Input opacitance: Less than 2nF Function select (AV control) Function state (0-2V): TV mode Input impedence: More than 10K ohms Input opacitance: Less than 2nF Function select (AV control) Function select (AV control) Function select (AV control) Function state (0-2V): TV mode Input opacitance: Less than 2nF Function state (0-2V): TV mode Input opacitance: Less than 2nF Input opa	4	0	0	0	Ground (audio)	
O O (left) Output impedence : More than 10kohm*	5	0	0	0	Ground (blue)	
High state (9.5-12V): Part mode Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF	6	0	0	0		
Function select (AV control) Functi	7	0	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
10 ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	8	0	0	0		Low state (0-2V): TV mode Input impedence: More than 10K ohms
11	9	0	0	0	Ground (green)	
12	10	0	0	0	Open	
13	11	0	•	•	Green	
14	12	0	0	0	Open	
15	13	0	0	0	Ground (red)	
15	14	0	0	0	Ground (blanking)	
Common ground Common groun	45	0	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
17	15	-	0	0		0.3 +/- 3dB, 75 ohms, positive
18	16	0	•	•		
19 ○ ○ ○ input) 19 ○ ○ ○ Video output	17	0	0	0		
20 (-3+10dB) 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB) Video input (-3+10dB) Video input (-3+10dB) 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)	18	0	0	0		
20 (-3+10dB) - O Video input Y (S signal) 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)	19	0	0	0	Video output	
- Video input Y (S signal) 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)	20	0	-	-	Video input	
	20	-	0	0		
	21	0	0	0		

Connected

Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel

Front Connection Panel





S Video socket pin configuration							
Pin No	Signal	Signal Level					
1	Ground	-					
2	Ground	-					
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB					
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.					

AE-6B SELF DIAGNOSTIC SOFTWARE

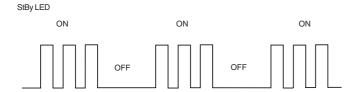
The identification of errors within the AE-6B chassis is triggered in one of two ways:-1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1, non fatal errors are reported using this method.

Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

Error Message	LED Code
No error	00
Reserved	01
OCP (Over Current Protection)	02
Over Voltage Protection	03
No Vertical Sync	04
IKR Error at power on	05
IIC bus clock and/or data lines low at power on	06
NVM no IIC bus acknowledge at power on	07
Horizontal Protection	08
Tuner no acknowledge at power on	09
Sound Processor Error	10
Reserved	11
Scanrate Error	12
DAC Error	13
Backend Error	14
Dynamic Convergence Error	15
PIP Error	16

Flash Timing Example: e.g. error number 3



How to enter into Table 2

- 1. Turn on the main power switch of the TV set.
- 2. Program Remote Commander for Operation in Service Mode. [See Page 21].
- 3. Press 'VIDEO' 'VIDEO' > 'MENU' on the Remote Commander.
- Using the Remote Commander, Scroll to the 'Error Menu' item using the down arrow key, then press the right arrow key.
- 5. The following table will be displayed indicating the error count.

Table 2

ERROR MENU			
E02 E03 E04 E05 E06 E07 E08 E09 E10 E11	OCP OVP VSYNC IKR IIC NVM HPROT TUNER SOUNDP	(0, 255) (0, 255)	0 0 0 0 0 0 0 0 0 0 0
E12 E13 E14 E15 E16	DAC BACKEND DYN CON PIP	(0, 255) (0, 255) (0, 255) (0, 255) (0, 255)	0 0 0 0
WORKING TIME HOURS MINUTES			14 7

Note: To clear the error count data press '80' on the Remote commander.

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Switching On the TV and Automatically Tuning

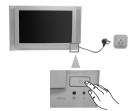
The first time you switch on your TV, a sequence of menu screens appear on the TV enabling you to: 1) choose the language of the menu screen, 2) adjust the picture slant, 3) asign an ID to your remote control, 4) search and store all available channels (TV Broadcast) and 5) change the order in which the channels (TV Broadcast) appear on the screen.

However, if you need to change any of these settings at a later date, you can do that by selecting the appropriate option in the (Set Up menu) or by pressing the Auto Start Up Button on the TV set.

1 Connect the TV plug to the mains socket (220-240V AC, 50Hz)

The first time that the TV set is connected, it is usually turned on. If the TV is off, press the \odot on/off button on the TV set to turn on the TV.

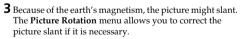
The first time you switch on the TV, a **Language** menu displays automatically on the TV screen.



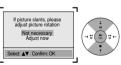
2 Press the ◆ or ◆ button on the remote control to select the language, then press the OK button to confirm your selection. From now on all the menus will appear in the selected language.







- **a)** If it is not necessary, press **OK** to select **Not necessary**.
- **b)** If it is necessary, press ◆ or ◆ to select **Adjust now**, then press **OK** and correct any slant of the picture between –5 and +5 by pressing ◆ or ◆ . Finally press **OK** to store.



4 You can assign an ID (number) to your Remote Control to avoid interference from other locators when you press the Remote Control Locator button on the TV set.

- a) If you do not want to configure it, press OK to select No.
- b) If you want to configure it press ◆ to select Yes. Press OK. Next press one of the number buttons (0-9) and press OK to store.

The remote control beeps. Press **OK** to stop beeping.

Finally press **OK** to continue the process.





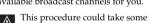


5 The Auto Tuning menu appears on the screen. Press the **OK** button to select **Yes**.

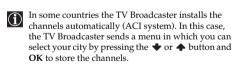


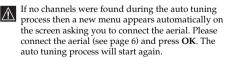


6 The TV starts to automatically search and store all available broadcast channels for you.



This procedure could take some minutes. Please be patient and do not press any buttons, otherwise automatic tuning will not be completed.









continued...

- 7 After all available channels are captured and stored, the **Programme Sorting** menu automatically appears on the screen enabling you to change the order in which the channels appear on the screen.
- **a)** If you wish to keep the broadcast channels in the tuned order, go to step 8.
- **b)** If you wish to store the channels in a different order:
 - **1** Press the **◆** or **♠** button to select the programme number with the channel (TV Broadcast) you wish to rearrange, then press the **\rightarrow** button.
 - **2** Press the **♦** or **♠** button to select the new programme number position for your selected channel (TV Broadcast), then press **OK**.
 - **3** Repeat steps b)1 and b)2 if you wish to change the order of the other channels.







8 Press the MENU button to remove the menu from the



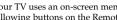


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Your TV is now ready for use

Introducing and Using the Menu System



Your TV uses an on-screen menu system to guide you through the operations. Use the following buttons on the Remote Control to operate the menu system:

1 Press the MENU button to switch the first level menu on.



- 2 To highlight the desired menu or option, press ◆ or ♠.
- To enter the selected menu or option, press •
- To return to the last menu or option, press •
- To alter the settings of your selected option, press 🟓 /



• To confirm and store your selection, press **OK**.

3 Press the MENU button to remove the menu from the screen.



Menu Guide

Level 1

Level 2

Level 3 / Function

PICTURE ADJUSTMENT The "Picture Adjustment" menu allows you to alter the picture adjustments.

To do this: after selecting the item you want to alter press \rightarrow , then press repeatedly \checkmark / \spadesuit / ♦ or ♦ to adjust it and finally press **OK** to store the new adjustment.

- This menu also allows you to customise the picture mode based on the programme you are watching: **Picture Mode** ◆ **Live** (for live broadcast programmes, DVD and Digital Set Top Box receivers).

 - **◆ Personal** (for individual settings).
 - **◆ Movie** (for films).
- Brightness, Colour and Sharpness can only be altered if "Personal" mode is selected.
- *Hue* is only available for NTSC colour signal (e.g: USA video tapes).
- Select Reset and press OK to reset the picture to the factory preset levels.
- The Noise Reduction option is set to AUTO to automatically reduce the picture noise visible in the broadcast signal. To cancel this function, select "Off" instead of "AUTO".

continued...

Effect

Level 1

##F

Level 2

Level 3 / Function

SOUND ADJUSTMENT

The "Sound Adjustment" menu allows you to alter the sound adjustments.

To do this: after selecting the item you want to alter, press . Then press repeatedly . ♠ / ♠ or ♠ to adjust it and finally press **OK**

to store the new adjustment.

♦ Natural:

Enhances clarity, detail and presence of sound by using "BBE High Definition Sound system"*

◆ Dynamic: "BBE High Definition Sound system" intensifies clarity and presence of sound for better intelligibility and musical realism.

◆ DolbyV:** Dolby Virtual, simulates the sound effect of "Dolby Surround Pro Logic".

Off: Flat response.

Treble

Less More

Bass

More

Balance

Right

Reset

Resets the sound to the factory preset levels.

Dual Sound

- For a stereo broadcast:
 - Mono.
 - Stereo.
 - For a bilingual broadcast:
 - **Mono** (for mono channel if available).
 - ◆ A (for channel 1).
 - **B** (for channel 2).

Auto Volume • Off: volume level changes according to the broadcast signal.

◆ On: volume level of the channels will stay the same, independent of the broadcast signal (e.g. in the case of advertisements).

TV Speakers 🍁

◆ On: to listen to the TV from the set speakers.

- ◆ Off: to listen to the TV from an external amplifier connected to the audio outputs on the rear of the TV set.
- If you are listening to the TV through headphones, the "Effect" option will automatically be switched
- If you select "Dolby Virtual" on the "Effect" option, the "Auto Volume" option will automatically be switched to "Off" and vice versa.
- * The "BBE High Definition Sound system" is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and BBE Symbol are trademarks of BBE Sound, Inc.
 - **This TV has been designed to create the "Dolby Surround" sound effect by simulating the sound of four speakers with two speakers, when the broadcast audio signal is Dolby Surround encoded. The sound effect can also be improved by connecting a suitable external amplifier (for details refer to "Connecting to external audio Equipment" on page 22).
 - **Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol \(\square \) are trademarks of Dolby Laboratories.

continued.

GB

Teletext



Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.



Teletext errors may occur if you use a channel (TV Broadcast) with a weak signal.

To switch on Teletext:

After selecting the TV channel which carries the teletext service you wish to view, press



To select a Teletext page:

Input 3 digits for the page number, using the numbered buttons.

- If you make a mistake, retype the correct page number.
- If the counter on the screen continues searching, it is because the page is not available. If this is the case, input another page number

To access the next or preceding page:

Press PROG + () or PROG - ()

To superimpose teletext on to the TV:

Whilst you are viewing teletext, press (a). Press it again to cancel teletext mode.

To freeze a teletext page:

Press • / 🖨 . Press it again to cancel the freeze.

To reveal concealed information (e.g. answer to a guiz):

Press (i+)/? Press it again to conceal the information.

To select a sub page:

A teletext page may consist of several sub pages. In this case the page number that appears on the upper left corner will change from white to green and one or more arrows will appear next to the page number. Repeatedly press the \P or \P buttons on the remote control to watch the desired sub page.

To Switch Off Teletext:

Press \(\)

Fastext



Fastext service lets you access Teletext pages with one button push.

When you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the appropriate coloured button (red, green, yellow or blue) to access the page corresponding to your menu choice.

NexTView*

*(depending on availability of service).

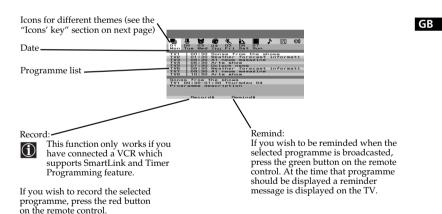


NexTView is an on-screen electronic programme guide, providing you with programme information for different broadcasters.

When looking for information you can search by theme (sports, art, etc...) or date.

Displaying NexTView

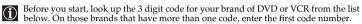
- **1** Select a broadcast channel providing a NexTView service. In this case the indication "NexTView" is displayed as soon as data is available.
- **2** Press the Dutton on the remote control to switch NexTView on and off.
- **3** To navigate through NexTView:
 - moving to right or left press → or ←.
 - moving up or downwards, press → or →
- · confirming a selection, press OK.



continued...

Remote Control Configuration for VCR/DVD

In it's default condition this remote control will operate the basic functions of this Sony TV, Sony DVDs and most Sony VCRs. To control VCRs and DVDs of other manufacturers (and some Sony VCR models), please complete the following steps:



- 1 Press the Media Selector button on the remote control repeatedly until the required green light (VCR or DVD) is lit.
 - If Media Selector is on TV position, code numbers will not be stored.
- **2** Before the green light goes out, press and hold the yellow button for approximately 6 seconds until the green light starts flashing.
- Whilst the green light is flashing, enter all three digits of the code for your brand of VCR or DVD using the number buttons on the remote control.
- If your selected code is entered correctly, all three green lights will be lit momentarily.
- **4** Turn on your VCR or DVD and check that the main functions work.



VCR Brand List

319, 350

Brand

AIWA

AKAI

IVC

LG

LOEWE

MATSUI

PHILIPS

SANYO

SHARP

SAMSUNG

THOMSON

TOSHIBA

ORION PANASONIC

SONY (VHS)

SONY (DV)

DAEWOO

GRUNDIG

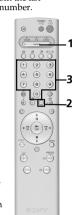
HITACHI

SONY (BETA)

- If your device is not working or some of the functions do not work please check that you entered the correct code set or try the next code listed against the brand.
- Your brand codes may be lost if weak batteries are not replaced within a few minutes. To reset your brand of DVD or VCR please repeat the above steps. A small label is added inside the battery door to allow you to record your brand codes.
- Not all brands are covered and not all models of every brand may be covered.

DVD Brand List

	2 1 2 2 3 3 3 3 3				
Code	Brand	Code			
301, 302, 303, 308, 309	SONY	001			
303, 307, 310	AIWA	021			
304, 305, 306	DENON	018, 027, 020, 002			
325, 331, 351	GRUNDIG	009, 028, 023, 024, 016, 003			
326, 329, 330	HITACHI	025, 026, 015, 004			
342, 343	JVC	006, 017			
358, 355, 360, 361, 320, 351	KENWOOD	008			
327, 333, 334	LG	015, 014			
314, 315, 322, 344, 352, 353,	LOEWE	009, 028, 023, 024, 016, 003			
354, 348, 349	MATSUI	013, 016			
332, 338	ONKYO	022			
358, 355, 360, 361, 320, 351	PANASONIC	018, 027, 020, 002			
356, 357	PHILIPS	009, 028, 023, 024, 016, 003			
328	PIONEER	004			
321, 323	SAMSUNG	011, 014			
311, 312, 313, 316, 317, 318,	SANYO	007			
358, 359	SHARP	019, 027			
339, 340, 341, 345	THOMSON	012			
335, 336	TOSHIBA	003			
324	YAMAHA	018, 027, 020, 002			
319, 350					



GB

Specifications

Sony Manufacturing Co, UK, hereby declares that this Colour TV is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

TV system:

Colour system:

PAL SECAM, NTSC 3.58, 4.43 (only Video In)

Channel Coverage:

I: UHF B21-B69

Picture Tube:

Flat Display FD Trinitron WIDE: 28" (approx. 71 cm. measured diagonally)

Rear Terminals

31/- 1 21-pin scart connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.

3 21-pin Scart € 21-pin Scart connector (CENELEC standard) including audio / video input, RĞB input, monitor audio/video output.

→3/ →3 21-pin Scart (SMARTLINK) connector (CENELEC standard) including

input, selectable audio / video output and Smartlink interface.

Gaudio outputs (Left/ Right) - phono jacks

Side Terminals

❸ 4 S Video input – 4 pin DIN

• 4 video input – phono iack

• 4 audio input – phono jacks

headphones jack

Sound Output:

2 x 20 W (music power) 2 x 10 W (RMS)

Woofer:

30 W (music power) 15 W (RMS)

Power Consumption: 125 W

Standby Power Consumption:

0.3 W

Dimensions (w x h x d): approx. 797 x 519 x 523 mm.

Weight:

approx. 49 Kg.

Remote Control Locator coverage:

up to 10 m. in open field

The optimum distance is up to approximately 10 audio / video input, S video meters without interference. However, the distance may vary according to the surroundings and environment.

> Even within the signal reception area, there are some spots (dead spot) where the RF signal can not be received. This characteristics is inherent to RF signals, and does not indicate malfunction.

Remote Control Locator Frequency:

434 MHz (ISM band).

The frequency of your Remote Control Locator may be used by other devices (e.g. electric garage door). If the use of the Remote Control Locator causes interferences with any other device(s) please contact your nearest Sony Service Centre.

Accessories supplied:

1 Remote Control (RM-937) 3 Batteries (IEC designated, AA size)

Other features:

- 100 Hz picture, Digital Plus.
- Teletext, Fastext, TOPtext (250 page TEXT memory).
- Sleep Timer.
- Smartlink (direct link between your TV set and a compatible VCR. For more information on Smartlink, please refer to the Instruction Manual of your VCR).
- Dolby Virtual.
- BBE.
- PIP.
- Auto Format.
- ACI (Auto Channel Installation).
- Remote Control Locator. • Halogen free flame retardant used in cabinets.

Design and specifications are subject to change without notice.



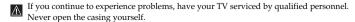
100% Recycled Paper - Totally Chlorine Free

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

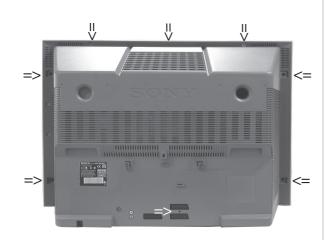
Problem	Solution
No picture (screen is dark) and no sound.	 Check the aerial connection. Plug the TV in and press the ⊕ button on the front of the TV. If the standby indicator ⊕ is on, press TV
Poor or no picture (screen is dark), but good sound.	 Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to the factory settings.
No picture or no menu information from equipment connected to the Scart connector.	Check that the optional equipment is on and press the
Good picture, no sound.	Press the + button on the remote control. Check that "TV Speakers" is "On" in the "Sound Adjustment" menu. Check that headphones are not connected.
No colour on colour programmes.	Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to factory settings.
Distorted picture when changing programmes or selecting teletext.	Turn off any equipment connected to the Scart connector on the rear of the TV.
Distorted picture when pressing the Remote Control Locator button.	This is not a malfunction. It could be caused because some broadcast TV uses the same or close frequency as the remote control locator. This problem will disappear when you stop pressing the button.
Picture slanted	• Using the menu system, select the "Picture Rotation" option in the "Detail Set Up" menu to correct the picture slant.
Noisy picture when viewing a TV channel.	Using the menu system, select the "Manual Programme Preset" menu and adjust Fine Tuning (AFT) to obtain better picture reception. Using the menu system, select the "Noise Reduction" option in the "Picture Adjustment" menu and select "Auto" to reduce the noise in the picture.
The remote control beeps even you have not pressed the remote control locator button or on the contrary, When you press the remote control locator button, the remote control does not beep.	Using the menu system, asign an ID (number) to your remote control. (See "Remote Control ID" on page 17). Replace the batteries of the remote control and asign again an ID (number) to your remote control. (See "Remote Control ID" on page 17).
Remote control does not function.	Check that the Media Selector on the remote control is set to the device you are using (VCR, TV or DVD). If the remote control does not operate the VCR or DVD even when the Media Selector has been set correctly. Enter the necessary code set as explained on "Remote Control Configuration for VCR/DVD" chapter of this instruction manual. Replace the batteries.
The standby indicator \circlearrowleft on the TV flashes.	Contact your nearest Sony service centre.

GB



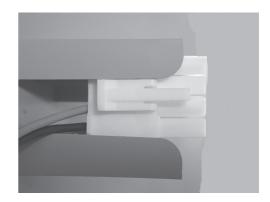
SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



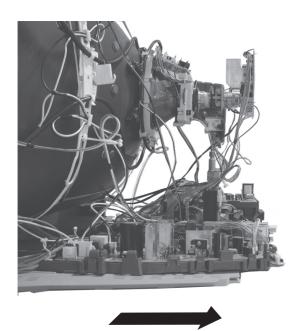
Remove the rear cover fixing screws indicated. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

2-2. Speaker Connector Disconnection

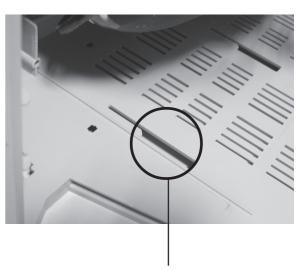


Before completely removing the rear cover disconnect the speaker connector which is located on the inside.

2-3. Chassis Removal and Refitting

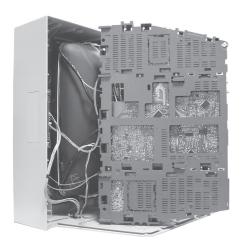


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



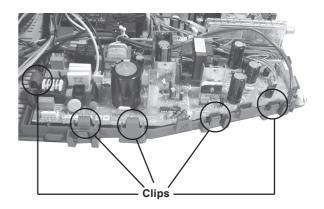
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

2-4. Service Position



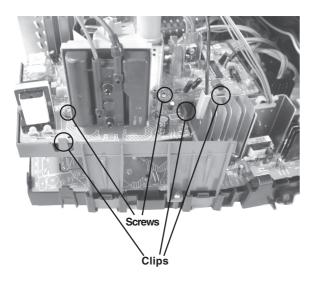
Position the chassis as indicated to access the solder side. To gain access to the underside of the boards follow the instructions on page 16. [Removal and Replacement of the main bracket bottom plates].

2-5. G Board Removal



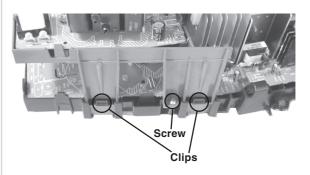
To remove the G Board release the clips circled and ease the board gently away from the support bracket.

2-6. D2 Board Removal



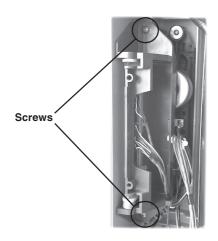
To remove the D2 board remove the two screws circled, release the clips circled and ease the board gently away from the support bracket.

2-7. D Board Removal



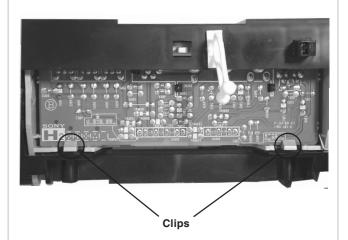
To remove the D board first remove the D2 bracket by removing the two screws (one on each side of the bracket) and releasing the four clips (two on each side of the bracket). The D board can then be removed using the same method as the G board.

2-8. Side Control Module Removal



Remove the two screws fixing the user control module to the side of the set. The control module can then be removed by sliding it towards the rear of the set allowing access to the H2 Board.

2-9. H2 Board Removal



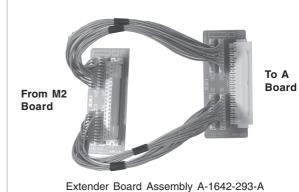
To remove the H2 Board release the two clips circled and ease the board gently away from the support bracket.

2-10. M2 Board Removal



To remove the M2 Board gently release the two clips with a screwdriver and remove the board from its socket vertically.

2-11. Service Connector for M2 Board

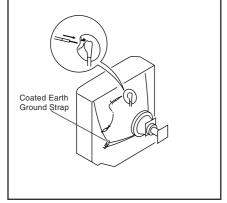


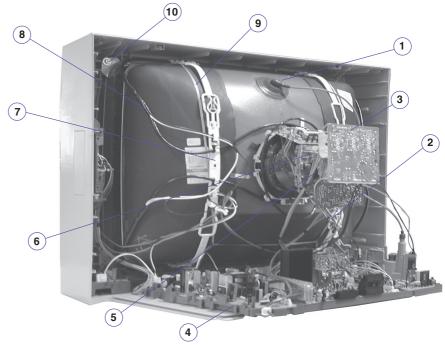
If the M2 Board needs to be removed for testing when the chassis is placed in its service position, it would be necessary to use an extender board and extension cable as indicated above.

The Extender board and extension cable are available as a service part by ordering the part number as indicated.

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.

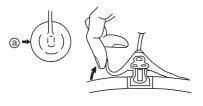




- 1. Discharge the anode of the CRT and remove the anode cap.
- Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
- 3. Remove the C Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the Neck assembly fixing screw and remove.
- 6. Loosen the Deflection yoke fixing screw and remove.
- 7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
- 8. Remove the Degaussing Coils.
- 9. Remove the CRT grounding strap and spring tentioners.
- Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
 [Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

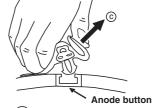
* REMOVING PROCEDURES.



1 Turn up one side of the rubber cap in the direction indicated by the arrow (a)



Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)

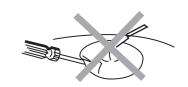


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ©

How to handle the Anode-Cap

- To prevent damaging the surface of the anode-cap do not use sharp materials.
- Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
- Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





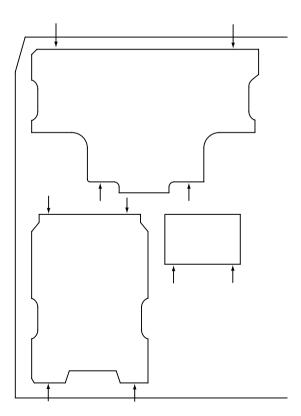
REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET **BOTTOM PLATES.**

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed.

This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

Note: There are 3 plates fitted to the main bracket and secured by 3 gates. Only remove the necessary plate to gain access to the printed wiring board.



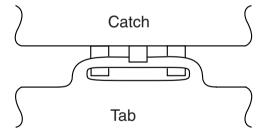


For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrastnormal

Brightnessnormal

Carry out the adjustments in the following order:

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note: Test equipment required.

- 1. Color bar/pattern generator.
- 2. Degausser.
- 3. Oscilloscope.
- 4. Digital multimeter.

3-1. Beam Landing

Preparation:

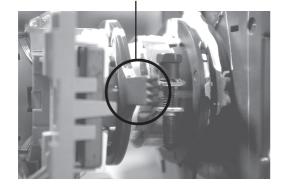
- 1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- 2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

- 1. Input a crosshatch signal from the pattern generator.
- Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-2.
- 4. Loosen the deflection yoke fixing screw.
- 5. Move the deflection yoke as far forward as is possible.
- Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-3]
- Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

Y-splitting axis correction magnet



Caution:

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing

Note: Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-4].

- 1. Input a crosshatch signal from the signal generator.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Switch from the crosshatch pattern to an all-red pattern.
- 4. Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
- 5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
- 6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
- 7. Position the deflection yoke between the two marks indicated above.
- 8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
- When the position of the deflection yoke has been determined, fasten it with its fixing screw.
- Switch the pattern generator to green then blue and confirm the purity.
- 11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing forgreen and blue]

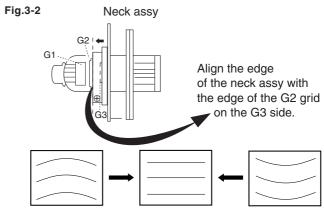
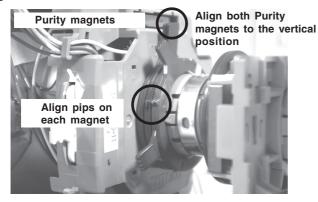


Fig.3-3

Fig.3-4



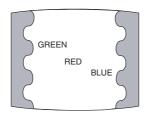
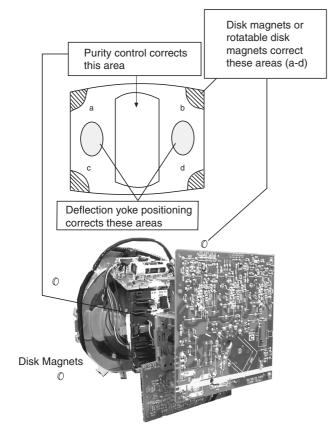
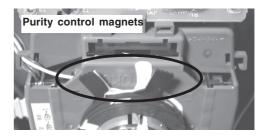


Fig.3-5

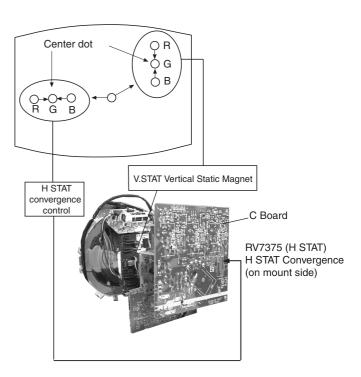




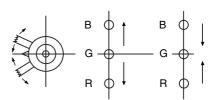
3-2. Convergence

(1) Screen centre convergence [Static convergence]

- 1. Input a dot pattern signal from the pattern generator.
- Normalize the picture setting.
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



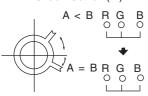
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



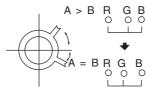
Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

- 4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.

HMC correction(A)



HMC correction(B)

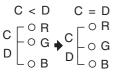


b). VMC correction by BMC [Hexapole] magnet and movement of

the electron beam.

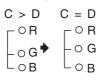
VMC correction(A)



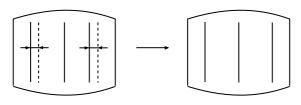


VMC correction(B)





HAMP Adjustment

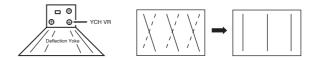


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

assembly to the Deflection yoke.

HTIL correction can be performed by adding a THL correction

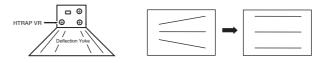
YCH Adjustment



TLV Adjustment

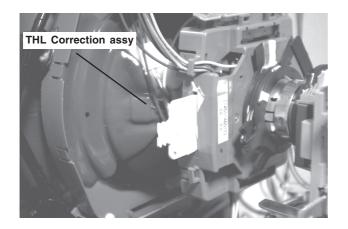


H-TRAP Adjustment

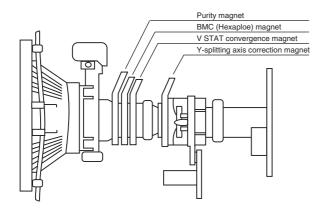


The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

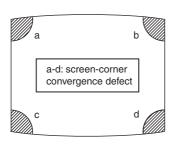
HTIL Adjustment

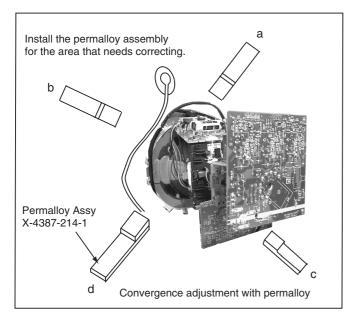


Layout of each control



Note: If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.

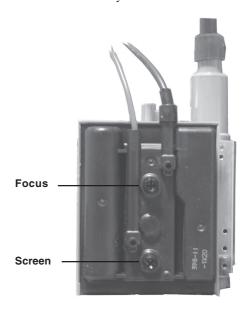




3-3. Focus Adjustment

- 1. Receive a television broadcast signal.
- 2. Normalize the picture setting.
- Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
 Bring only the centre area of the screen into focus, the magenta-

ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



3-4. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

G2 adjustment

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- 3. Apply 165V DC from an external power supply to the R, G and B cathodes of the CRT.
- 4. Whilst watching the picture, adjust the G2 control [SCREEN] located on the flyback transformer to the point just before the flyback return lines disappear.

White balance adjustment for TV mode

- 1. Input an all-white signal from the pattern generator.
- Program the Remote Commander for operation in Service Mode. [See Page 21].
- 3. Enter into the 'Service Mode' by pressing 'VIDEO' button twice and 'MENU' on the Service Commander.
- Select 'Service' from the on screen menu display and press 'Right Arrow'.
- 5. The 'Service' menu will appear on the screen. [See Page 21]
- Set the 'Contrast' to MAX.
- 7. Set the 'R-Drive' to 50.
- 8. Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
- 9. Press the 'OK' button to write the data for each item.
- 10. Set the 'Contrast' to MIN.
- 11. Set the 'R-Cutoff' to 29.
- 12. Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
- 13. Press the 'OK' button to write the data for each item.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. Electrical Adjustments

Service adjustments to this model can be performed using the supplied remote Commander RM-937.

Programming the Remote Commander for Operation in Service Mode

- 1. Press the VCR/TV/DVD button until the TV LED lights.
- Press and hold the yellow button for approx. 5 seconds until the TV LED flashes quickly.



- 3. Press 99999. All three LED's should light.
 The remote commander is now set to Service Mode.
- 4. To return the remote commander to normal operation mode repeat steps 1. and 2. then press 00000. All three LED's should light.

The remote commander is now set to normal mode.

Setting the TV into Service Mode

- Program the remote commander for operation in Service Mode as described above.
- 2. Turn on the TV main power switch.
- 3. Press the video standby button on the remote commander twice.

'TT_' will appear in the upper right corner of the screen. Other status information will also be displayed.

4. Press 'MENU' on the remote commander to obtain the following menu on the screen.

Geometry
Panorama
Service
Scanrate
DAC
PiP
Sound
IF adjust
Error Menu

AE6BMW v0.16 (Mar ' 02 ')
Factory data FFh FFh
MSP Device : MSP3411G

- Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
- 6. Press the right arrow button to enter into the required menu item.
- 7. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note:

 After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

PANORAMA		
RDPOSXM	(0, 511)	3
RDPOSYM	(0, 255)	10
BLANDEL	(0, 255)	0
BLANPOL	(0, 1)	0
BLANLEN	(0, 511)	0
YFRAMEM	(0, 15)	0
YBAGR	(0, 15)	0
HPANONM	(0, 1)	1
HSCPOSCM	(0, 4095)	2032
HSEG1HM	(0, 63)	3
HINCOM	(0, 511)	40
HSEG1LM	(0, 31)	0
HINC1M	(0, 511)	20
HSEG2HM	(0, 63)	6
HINC2M	(0, 511)	0
HSEG2LM	(0, 31)	0
HINC3M	(0, 511)	492
HSEG3HM	(0, 63)	9
HINC4M	(0, 511)	472
HSEG3LM	(0, 31)	0
HSEG4M	(0, 2047)	384
VPANONM	(0, 1)	1
VDOUBLEM	(0, 1)	0
VSCPOSCM	(0, 16383)	7619
VSEG1HM	(0, 31)	0
VINCOM	(0, 511)	0
VSEG1LM	(0, 31)	0
VINC1M	(0, 511)	0 0
VSEG2HM VINC2M	(0, 31)	0
VSEG2LM	(0, 511)	0
VINC3M	(0, 31) (0, 511)	0
VINC4M	(0, 511)	0
VSEG3M	(0, 1023)	0
VSEG4M	, ,	0
HORPOSM	(0, 1023)	0
HORWIDTHM	(0, 1023) (0, 2047) (0, 2047)	960
HORPOSG	(0, 2047)	29
HORWIDTHG	(0, 2047)	0
HORFRAMEG	(0, 15)	3
PRIOP	(0, 7)	3
PRIOC	(0, 7)	5
PRIOS	(0, 7)	6
PRIOF	(0, 7)	7
PRIOM	(0, 7)	4
PRIOG	(0, 7)	1
	* * *	

SERVICE		
SUB COL SUB HUE SUB SHARP SUB BRIGHT SUB CONT R-DRIVE G-DRIVE B-DRIVE R CUTOFF G CUTOFF B CUTOFF B CUTOFF Br TXT Br OSD	(0, 63) (0, 15) (0, 15)	Adj 31 30 13 12 50 Adj Adj 28 24 46 7

GEOMETRY		
ABL TH	(0, 3)	0
ABL MODE	(0, 3)	0
P ABL	(0, 15)	15
V SIZE	(0, 63)	35
V POSITION	(0, 63)	33
V COMP	(0, 3)	1
V LIN	(0, 15)	7
S CORRECTION	(0, 15)	7
H SIZE	(0, 63)	44
PIN AMP	(0, 63)	32
HCOMP	(0, 3)	0
UP CORNERPIN	(0, 63)	29
M PIN	(0, 3)	2
LO CORNERPIN	(0, 63)	29
TRAPEZIUM	(0, 15)	2
H POSITION	(0, 63)	40
AFC BOW	(0, 15)	8
AFC ANGLE	(0, 15)	9
LEFT BLK	(0, 63)	34
RIGHT BLK	(0, 63)	17
V ASPECT	(0, 63)	47
AKBTIM1	(0, 3)	2
AKBTIM2	(0, 1)	0
IKR		1
HNG		0
VNG		0

IF ADJUST	
Automute	1
Audio Gain	0
L Gating	0

DAC			
CONFIG MPIN CONT HLIN HTRAP ROT. COIL PHOCUS PH	(0, 255) (0, 255) (0, 255) (0, 255) (0, 255)	00000000	96 83 127 130 90

SOUND		
M-N M-D M-S S-M D-M N-M BBE B1 B2 B3 B4 B5 SW L SW F NICAM C NICAM E Stereo		200 -20 +20 +10 -10 496 +28 +0 +0 +0 +0 +0 +0 +0 +0 +0
Status	0000000	110

ERROR MENU			
E02 E03 E04 E05 E06 E07 E08 E09 E10 E11 E12 E13 E14 E15 F16	OCP OVP VSYNC IKR IIC NVM HPROT TUNER SOUNDP - SCANRATE DAC BACKEND	(0, 255) (0, 255)	0 0 0 0 0
WORKING TIME HOURS MINUTES		(=, ====,	14 7

Sub Brightness Adjustment

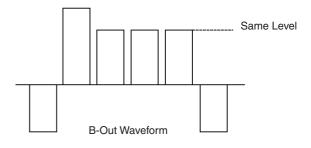
- 1. Input a Monoscope pattern.
- 2. Program the Remote Commander for operation in Service Mode. [See Page 21].
- 3. Press 'VIDEO' 'VIDEO' 13 on the Remote Commander.
- 4. Adjust the 'Sub-Brightness' data so that there is barely a difference between the 0 IRE and 10 IRE signal levels.

Sub Contrast Adjustment

- 1. Input a video signal that contains a small 100% white area on a black background.
- 2. Connect an digital voltmeter to Pin 10 of J7375 [C Board].
- 3. Program the Remote Commander for operation in Service Mode. [See Page 21].
- 4. Adjust the Sub-Contrast [Using 'VIDEO' 'VIDEO' '11'] to obtain a voltage of 105 +/- 5V.

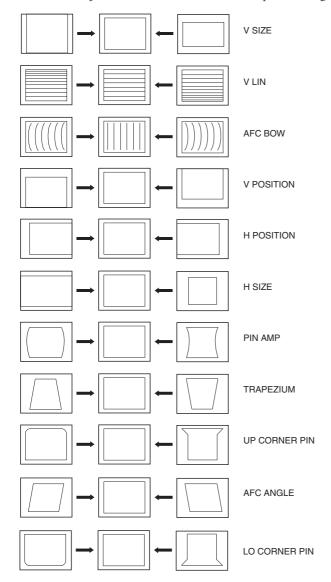
Sub Colour Adjustment

- 1. Receive a PAL colour bar signal.
- 2. Connect an oscilloscope to Pin 6 of CN7001 [A Board].
- 3. Program the Remote Commander for operation in Service Mode. [See Page 21].
- 4. Adjust the 'Sub Colour' [Using 'VIDEO' 'VIDEO' '12'] so that the Cyan, Magenta and Blue colour bars are of equal levels as indicated below.



Deflection System Adjustment

- 1. Program the Remote Commander for operation in Service Mode. [See Page 21] and enter into the 'Geometry' service menu.
- 2. Select and adjust each item in order to obtain the optimum image.

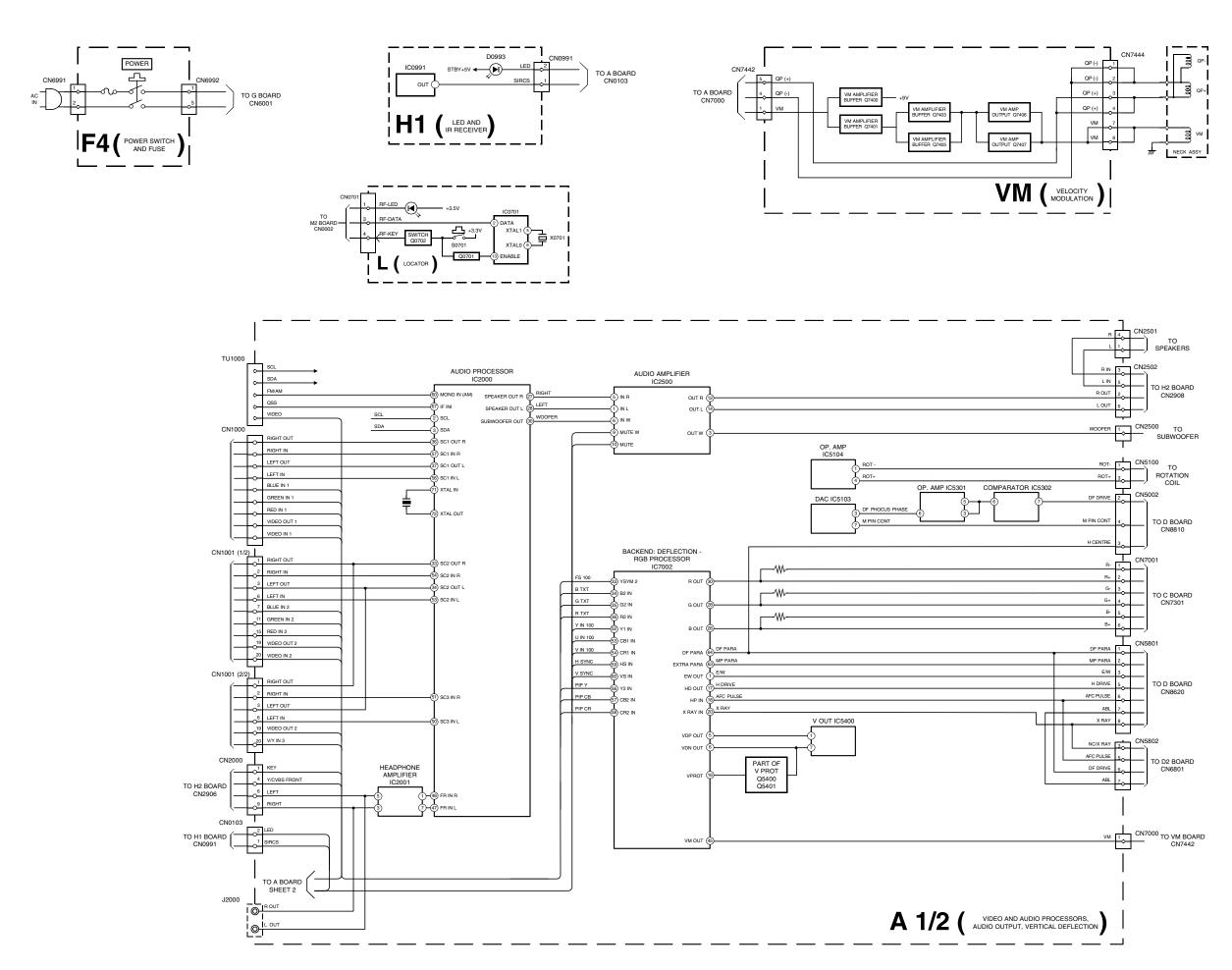


GEOMETRY		
ABL TH ABL MODE P ABL V SIZE V POSITION V COMP V LIN S CORRECTION H SIZE PIN AMP HCOMP UP CORNERPIN M PIN LO CORNERPIN TRAPEZIUM H POSITION AFC BOW AFC ANGLE LEFT BLK RIGHT BLK V ASPECT AKBTIM1 AKBTIM2 IKR HNG VNG	(0, 3) (0, 3) (0, 15) (0, 63) (0, 63) (0, 15) (0, 63) (0, 15)	0 0 15 35 33 1 7 7 44 32 0 29 2 40 8 9 34 17 47 2 0

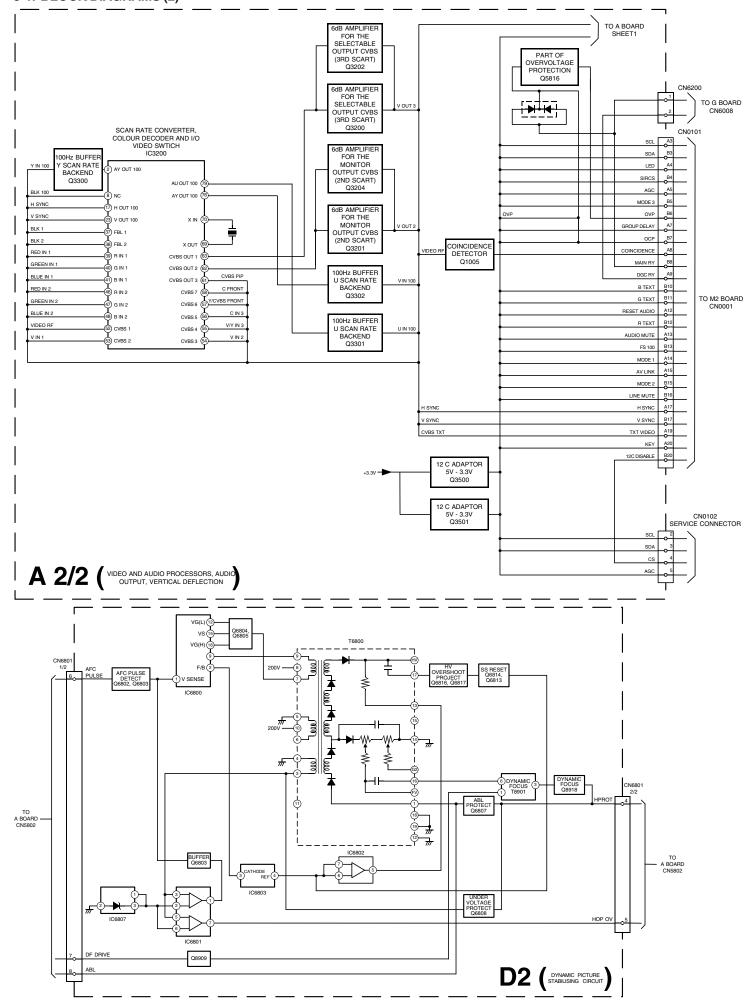
4-2.TEST MODE 2:

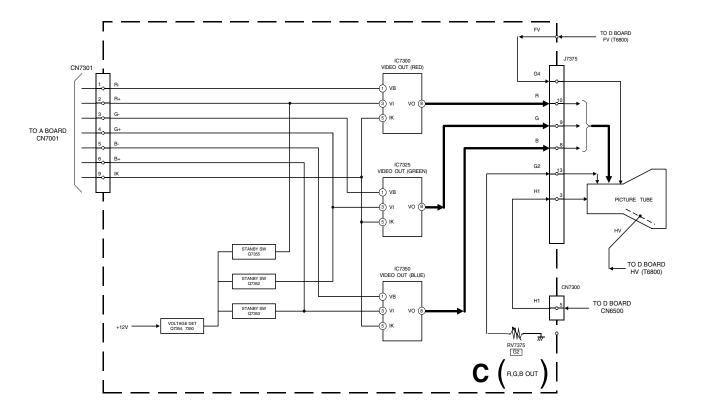
Test Mode 2 is available by rogramming the Remote Commander for operation in Service Mode [As shown on Page 21] then pressing the 'VIDEO' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 00, 10, 20 ... twice or switch the TV set into Stand-by mode. In 'TT Menu' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the Menu to reappear. The function is kept even when the menu is not displayed on screen!!.

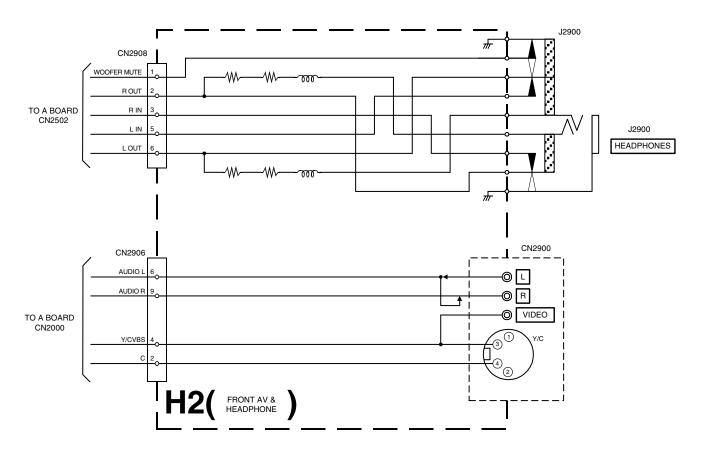
00	'TT' mode off
01	
	Picture maximum
02	Picture minimum
03	Set speaker/headphone Volume to 35%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing mode
08	Shipping Condition
11	Sub picture adjustment
12	Sub colour adjustment
13	Sub Brightness adjustment
14	Text H Position adjustment
15	Rotation Coil Test
16	Picture level 50%
19	Factory Mode Enable/Disable
21	Destination ADEKR
22	Destination BL
23	Destination ADEKR
24	Destination U
25	Destination ADEKR
26	Destination BL
27	Destination ADEKR
28	Destination ADEKR
31	Auto Shutoff Enable/Disable
36	Velocity Modulation (VM) OFF/ON test
41	Re-initialise NVM
43	Select Dual A sound
44	Select Dual B sound
45	Select Mono sound
46	Select Stereo sound
48	Set NVM as non virgin
49	Set NVM as virgin
53	FM Overmodulation Enable/Disable
55	Tuner selection (SONY/ALPS)
59	Select Model 3 Scarts + PIP or 2 Scarts
68	Enable/Disable X26 countermeasure (N problem)
73	Enable Zweiton D/K2 system (6.5/6.74)
74	Enable Zweiton D/K3 system (6.5/5.74)
78	Balance full right
79	Balance full left
87	Local keys test
99	Display Error and Working Time menu



5-1. BLOCK DIAGRAMS (2)

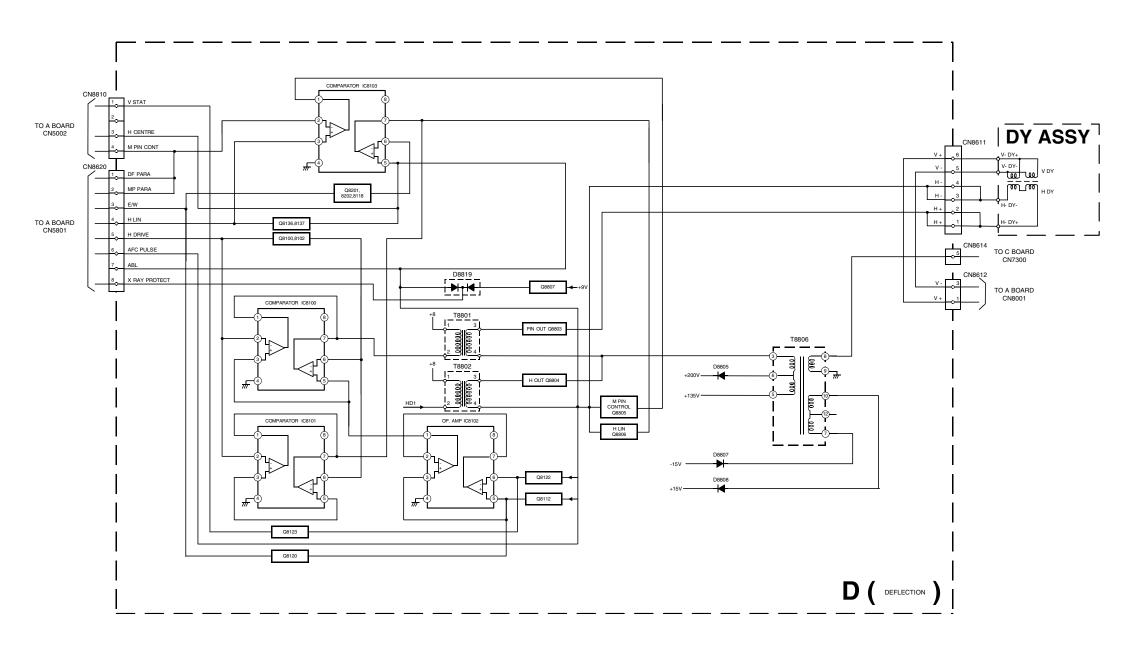


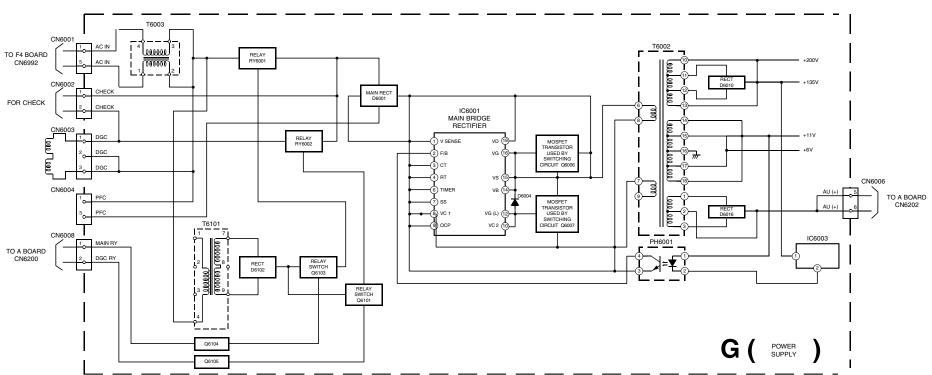




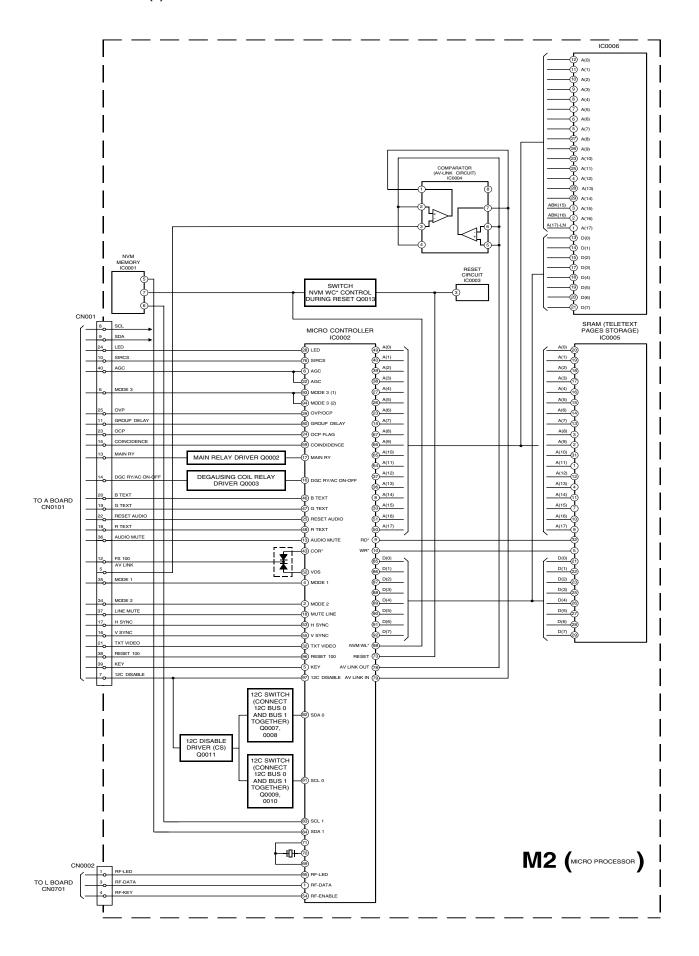
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5-1. BLOCK DIAGRAMS (3)

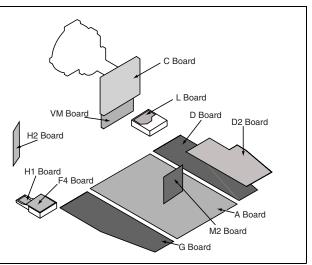




5-1. BLOCK DIAGRAMS (4)



5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted.
- pF : μμF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm Electrical power rating : 1/4W

Chip resistors are 1/10W

All resistors are in ohms.

k = 1000 ohms, M = 1000,000 ohms

• : nonflammable resistor.

• : fusible resistor.

• : internal component.

: panel designation or adjustment for repair.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.

• : B + bus.

• **= =** : B - bus.

: RF signal path.

: earth - ground.

• : earth - chassis.

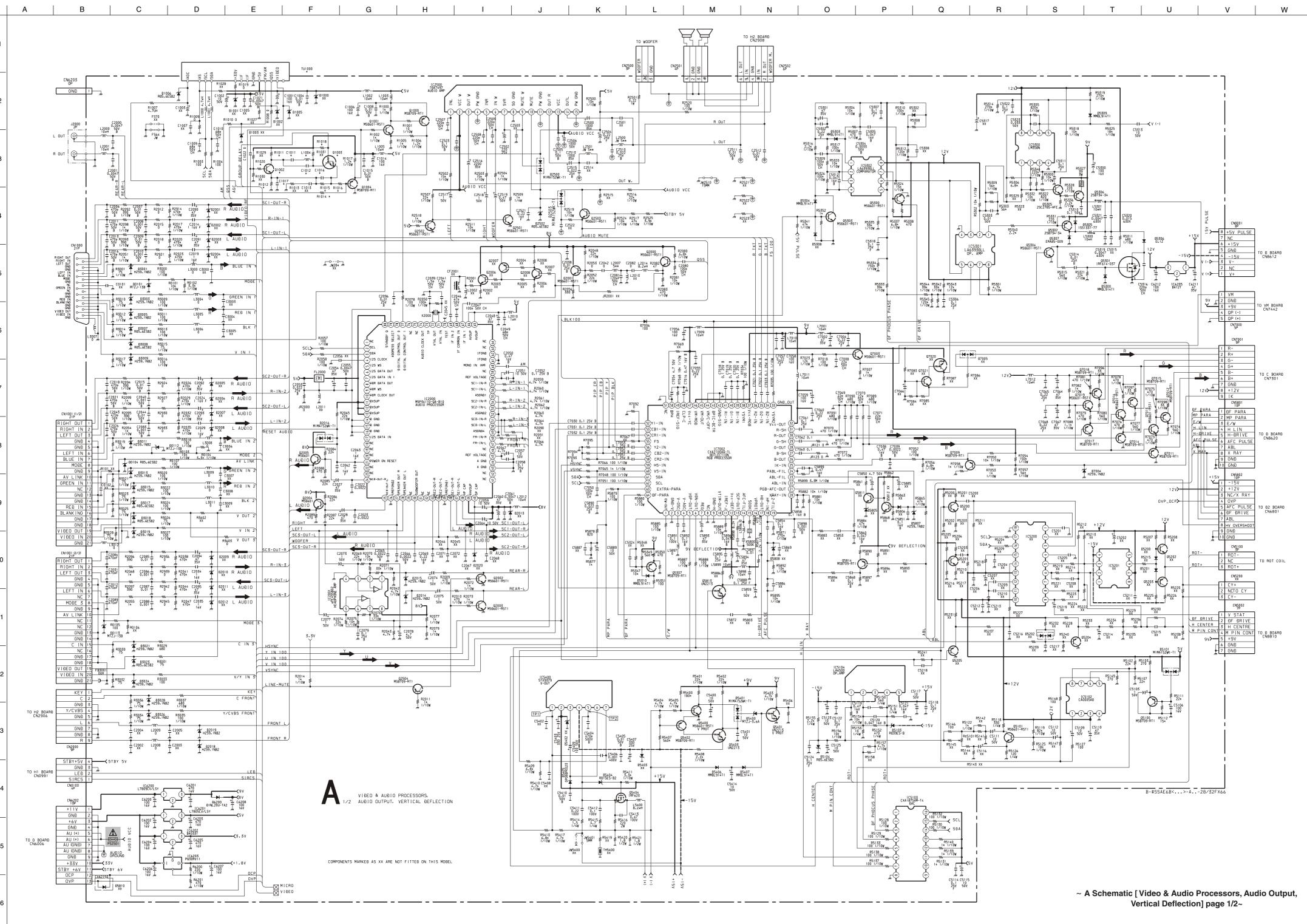
Reference Information

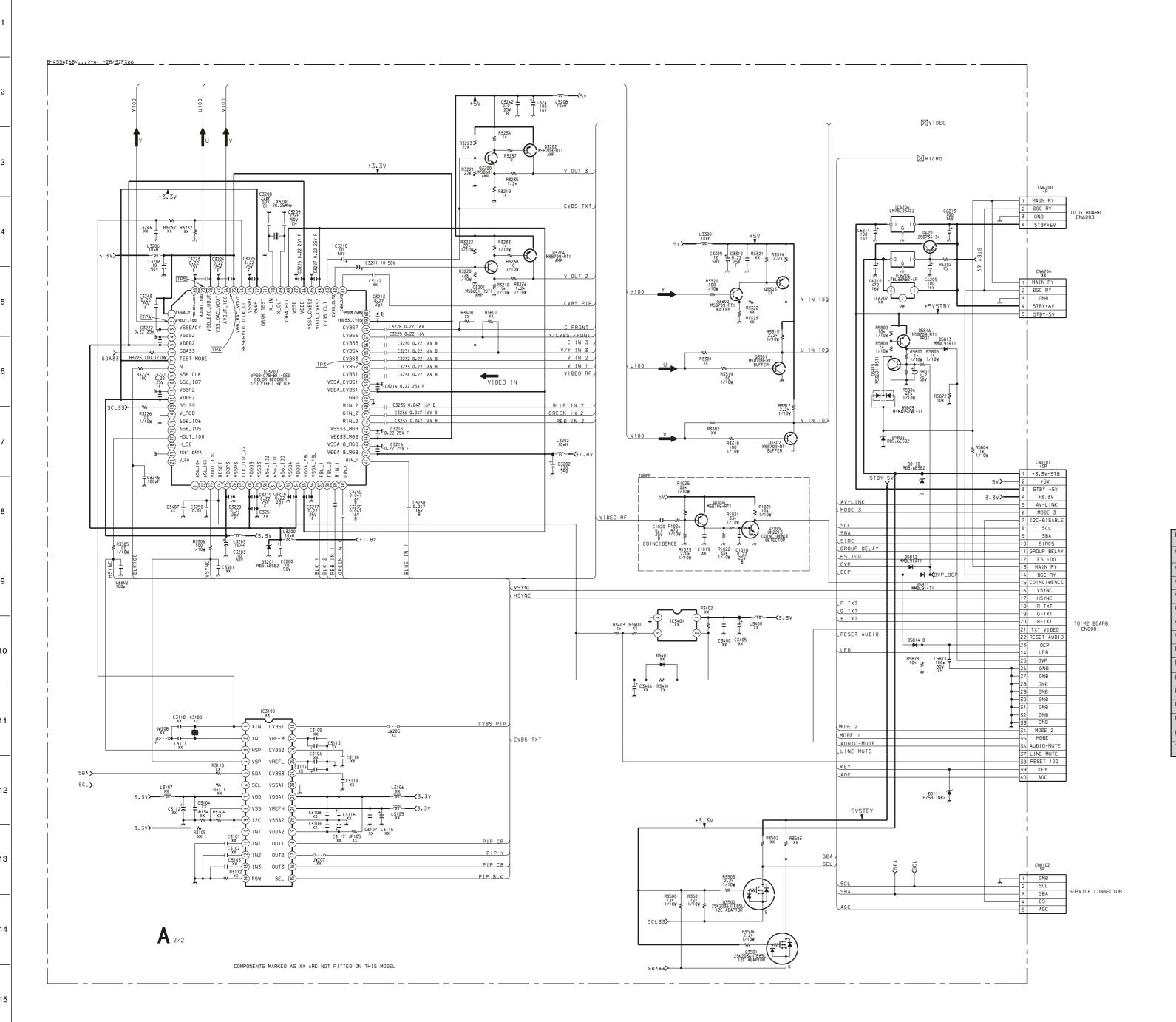
RESISTOR	RN	: METAL FILM		
	RC	: SOLID		
	FPRD	: NON FLAMMABLE CARBON		
	FUSE	: NON FLAMMABLE FUSIBLE		
	RS	: NON FLAMMABLE METAL OXIDE		
	RB	: NON FLAMMABLE CEMENT		
	RW	: NON FLAMMABLE WIREWOUND		
	*	: ADJUSTMENT RESISTOR		
COIL	LF-8L	: MICRO INDUCTOR		
CAPACITOR	TA	: TANTALUM		
	PS	: STYROL		
	PP	: POLYPROPYLENE		
	PT	: MYLAR		
	MPS	: METALIZED POLYESTER		
	MPP	: METALIZED POLYPROPYLENE		
	ALB	: BIPOLAR		
	ALT	: HIGH TEMPERATURE		
	ALR	: HIGH RIPPLE		

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

Note: Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

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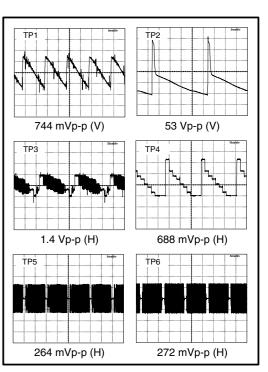
В

С

D |

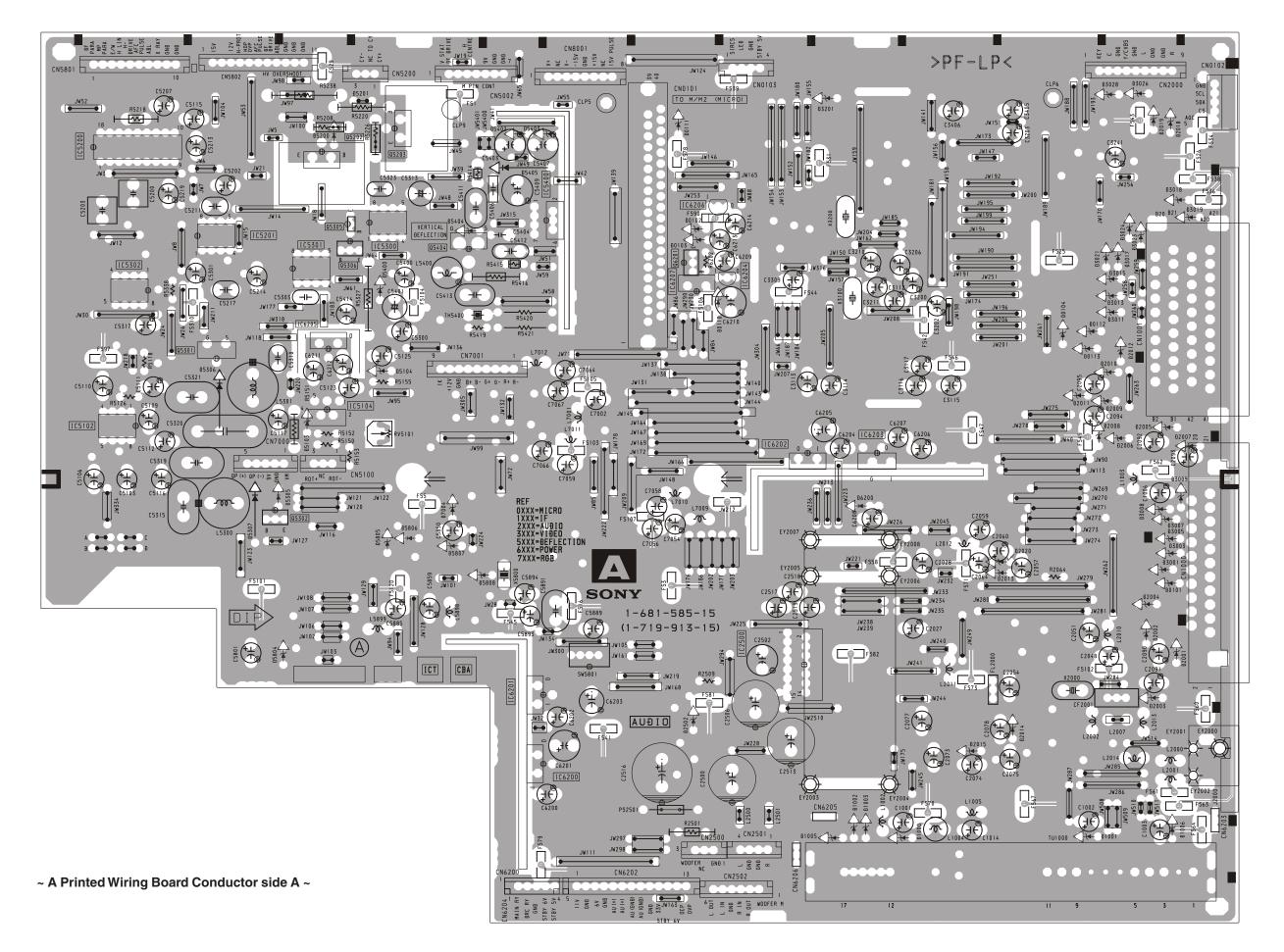
~ A Board Waveforms ~

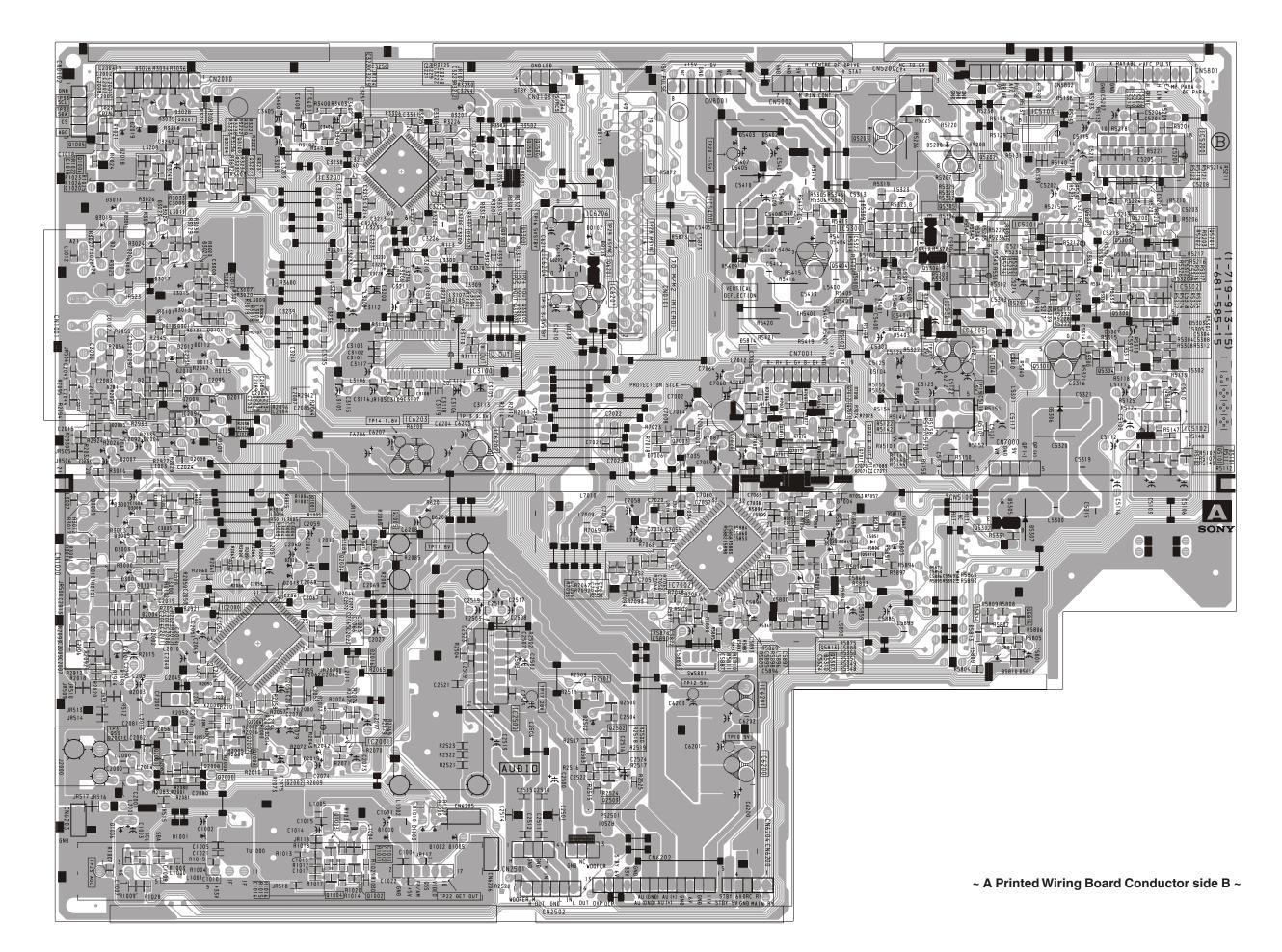
V



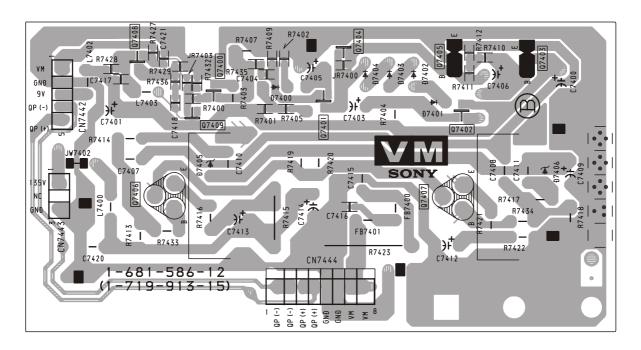
~ A Board Difference Table ~

Ref	28FX66B	28FX66E	28FX66U	32FX66B	32FX66E	32FX66K	32FX66U
C1011	120PF 5.00% 50V	-	-	120PF 5.00% 50V	-	-	-
C1012	56PF 5.00% 50V	-	-	56PF 5.00% 50V	-	-	-
C1016	10PF 0.50% 50V	-	-	10PF 0.50% 50V	-	-	-
C1017	68PF 5.00% 50V	-	-	68PF 5.00% 50V	-	-	-
L1004	18UH	-	-	18UH	-	-	-
Q1002	MSD601-RST1	-	-	MSD601-RST1	-	-	-
Q1003	DTC114EK	-	-	DTC114EK	-	-	-
R1011	330 5% 1/10W	-	-	330 5% 1/10W	-	-	-
R1012	330 5% 1/10W	-	-	330 5% 1/10W	-	-	-
R1014	-	SHORT 0	SHORT 0	-	SHORT 0	SHORT 0	SHORT 0
R1015	470 5% 1/10W	-	-	470 5% 1/10W	-	-	-
R1016	100 5% 1/10W	-	-	100 5% 1/10W	-	-	-
R1018	2.2K 5% 1/10W	-	-	2.2K 5% 1/10W	-	-	-
R1020	SHORT 0	-	-	SHORT 0	-	-	-
TU1000	BTF-EF411	BTF-EC411	BTF-EU611	BTF-EF411	BTF-EC411	BTF-EC411	BTF-EU611

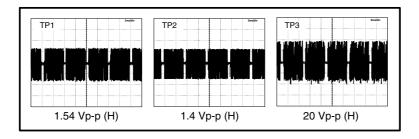




~ VM Printed Wiring Board Conductor side ~



~ VM Board Waveforms ~



~ VM Board Voltage Table ~

Ref	(e)(s)	(b)(g)	(c)(d)
Q7400	5.0	5.7	8.7
Q7401	0.9	1.5	4.1
Q7402	5.5	6.1	8.9
Q7403	5.1	5.5	8.9
Q7404	4.7	4.1	0
Q7405	5.1	4.7	0
Q7406	134	133.8	68
Q7407	1.1	1.4	68
Q7408	6.3	5.6	2.5
Q7409	5.7	6.3	0.9

~ A Board Location Table (A Side) ~

DIO	DE	D1006	M - 10	D3003	M - 7	D3015	M - 4	D3026	M - 2	D5305	D - 6	D6200	J - 6	IC5301	D - 4	IC6206	H - 3
D0101	M - 7	D2014	L - 9	D3005	M - 7	D3017	M - 4	D3028	M - 2	D5306	C - 5	D7004	F - 7	IC5302	B - 4	IC6207	H - 4
D0104	L - 5	D2015	K - 9	D3007	M - 7	D3018	N - 3	D3201	J - 2	D5307	D - 7	IC		IC5400	G - 4	TRANS	ISTOR
D0110	I - 4	D2018	M - 2	D3008	M - 7	D3019	N - 3	D5103	D - 6	D5400	E - 4	IC5104	D - 6	IC6201	G - 9	Q5202	E- 2
D0111	H - 2	D2019	M - 2	D3009	N - 7	D3021	M - 4	D5104	E - 5	D5404	F - 4	IC5200	B - 3	IC6202	I - 6	Q5301	C - 5
D0112	M - 4	D2502	H - 9	D3011	M - 4	D3023	M - 4	D5200	D - 2	D5405	F - 3	IC5201	C - 4	IC6203	J - 6	Q5306	E - 4
D0113	M - 5	D3001	M - 7	D3013	M - 4	D3024	M - 4	D5201	E - 2	D5807	F - 7	IC5300	E - 4	IC6205	D - 5	Q5404	F - 4

~ A Board Location Table (B Side) ~

DIC	DDE	D2503	G - 9	D3024	B - 3	D5309	J - 3	IC5103	L - 3	TRAN	SISTOR	Q3201	C - 2	Q5300	M - 4	Q7003	H - 6
D0101	B - 7	D3001	B - 7	D3026	B - 2	D5400	K - 4	IC5104	K - 5	Q1000	C - 6	Q3202	C - 3	Q5301	L - 5	Q7009	I - 7
D0104	C - 5	D3003	B - 7	D3028	C - 2	D5401	J - 4	IC5200	M - 3	Q1001	D - 6	Q3204	C - 3	Q5302	K - 7	Q7011	J - 6
D0110	G - 4	D3005	B - 7	D3201	F - 2	D5404	J - 3	IC5201	L - 4	Q1004	D - 11	Q3300	F - 3	Q5303	M - 4	Q7012	J - 5
D0111	G - 2	D3007	B - 6	D5103	L - 6	D5405	I - 3	IC5300	J - 3	Q1005	B - 2	Q3301	F - 3	Q5304	M - 5	Q7013	J - 6
D0112	C - 5	D3008	B - 6	D5104	J - 5	D5809	K - 8	IC5301	K - 4	Q1006	B - 3	Q3302	F - 3	Q5305	K - 3	Q7014	J - 6
D0113	C - 5	D3009	B - 6	D5200	K - 2	D5811	L - 8	IC5302	M - 4	Q2000	C - 9	Q3500	F - 3	Q5306	K - 4	Q7015	I - 5
D1006	B - 10	D3011	C - 4	D5202	L - 4	D5812	L - 8	IC5400	I - 3	Q2002	D - 9	Q3501	F - 3	Q5400	J - 4	Q7016	I - 6
D2014	C - 9	D3013	C - 4	D5300	L - 5	D6200	E - 7	IC6200	I - 9	Q2003	D - 9	Q5101	M - 5	Q5401	J - 4	Q7017	I - 6
D2015	D - 9	D3015	C - 4	D5303	N - 4		С	IC6201	I - 8	Q2004	E - 7	Q5200	M - 4	Q5402	J - 5	Q7018	I - 5
D2016	E - 8	D3017	B - 4	D5304	M - 4	IC2000	C - 8	IC6202	F - 6	Q2005	E - 7	Q5201	N - 4	Q5403	J - 4	Q7019	I - 6
D2018	B - 2	D3018	B - 3	D5305	L - 6	IC2001	D - 9	IC6203	E - 6	Q2501	G - 8	Q5202	K - 3	Q5404	J - 4		
D2019	B - 2	D3019	B - 3	D5306	L - 5	IC2500	F - 8	IC6205	K - 5	Q2502	G - 9	Q5203	J - 2	Q5813	J - 8		
D2500	G - 9	D3021	C - 4	D5307	L - 7	IC3100	E - 5	IC6206	G - 3	Q2503	G - 9	Q5204	L - 4	Q5815	L - 8		
D2502	G - 9	D3023	B - 3	D5308	M - 4	IC3200	E - 3	IC6207	G - 4	Q3200	C - 3	Q5205	M - 3	Q5816	L - 8		

~ A Board Semiconductor Voltage Table ~

Ref	(s)	(g)	(d)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q3500	2.7	3.3	3.9	Q2002	0	0	4	Q3204	5	4.4	3.4	Q5205	1.9	1.2	0	Q5813	0	7.9	0	Q7015	11.6	10.9	8.8
Q3501	2.7	3.3	4	Q2003	0	0	4	Q3300	0.7	1.3	5	Q5300	0	0.4	2.2	Q5814	0	0	0	Q7016	6	6.6	10.9
Q5301	0	5.1	51.2	Q2004	3.3	3.9	8.3	Q3301	1.9	1.2	0	Q5301	5.1	0	51.2	Q5815	0	0	5	Q7017	2.7	2	0
Q5404	0	0	0.5	Q2005	3.3	3.9	8.3	Q3302	1.9	1.2	0	Q5302	8.9	5.7	0	Q5816	5	5	0	Q7018	11.6	10.9	8.6
Ref	(e)	(b)	(c)	Q2501	0	0	15.2	Q3500	3.3	2.7	3.9	Q5304	0	0.4	5.6	Q7003	5.6	6.2	8.8	Q7019	6	6.6	10.9
Q1001	3.2	3.9	8.3	Q2502	0	0.7	0	Q3501	3.3	2.7	4	Q3400	0	0	0.1	Q7009	3.2	7	0.1	Q7020	8.9	8.9	0
Q1004	1.9	1.3	0	Q2503	0.6	0.6	0.5	Q5101	0	0.4	6.4	Q5401	0	0	7.9	Q7011	2.5	1.9	0	Q7021	2.7	2.7	8.9
Q1005	0	0.5	5	Q3200	1.9	2.5	4.4	Q5201	2.8	3.4	7.9	Q5402	0	0	-11.3	Q7012	11.6	10.9	8.7				
Q1006	5	4.7	1	Q3201	1.9	2.5	4.4	Q5202	0.2	0.8	11.7	Q5403	-13.5	-11.2	-8.3	Q7013	6	6.6	10.9				
Q2000	4.2	4.8	8.3	Q3202	5	4.4	3.4	Q5203	0.2	0.8	11.7	Q5404	0	0	0.5	Q7014	2.5	1.8	0				

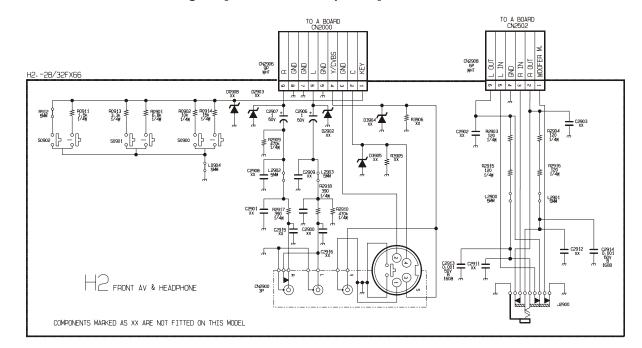
~ A Board IC Voltage Table ~

Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
	1	3.3		5	6.5		10	0.4		38	0
	2	3.3	IC5301	6	7.1		11	1.9		39	4.8
	3	1.9	103301	7	0.4		12	0.4	1	40	4.8
	4	2.6		8	12		13	0.9		41	4.8
	5	2.5		1	0		14	5		42	0
	6	1.8		2	5.8		15	2.5		43	0
	7	2		3	6.3		16	0		44	0
105400	8	0	105000	4	0		17	3		45	6.3
IC5103	9	3.1	IC5302	5	6.6		18	2.7		46	8.9
	10	3		6	6.5		19	3.9		47	8.9
	11	5		7	0.4		20	0	- IC7002	48	6
	12	5		8	12	IC7002	21	6.1		49	2.5
	13	5	IC5400	1	1.4		22	2.7		50	4.1
	14	0		2	13.2		23	8.8		51	0
	15	0		3	-12.5		24	0		52	6
	16	5		4	-15.4		25	4.3		53	5.8
	1	6		5	-0.4		26	3.2		54	5.8
	2	6		6	13.7		27	5.2		55	0.4
	3	6		7	1.4		28	0.3		56	5.8
105000	4	0		1	3.6		29	4.9		57	5.8
IC5300	5	6		2	0		30	3.4		58	5.8
	6	6		3	4.4		31	5.6		59	0.3
	7	6		4	4.8		32	8.9		60	0
	8	12	IC7002	5	3.5		33	0		61	0
	1	1.7		6	3.4		34	4.7		62	2.9
105001	2	8.5		7	7.6		35	4.7		63	3.7
IC5301	3	6.5		8	0		36	4.7			
	4	0		9	0		37	8.9			

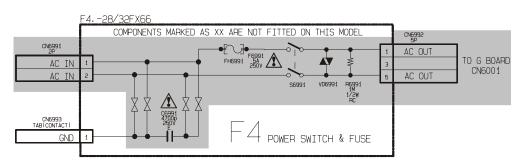
A B C D E F G H I J K L M N

~ H2 Board Schematic Diagram [Front AV & Headphone] ~

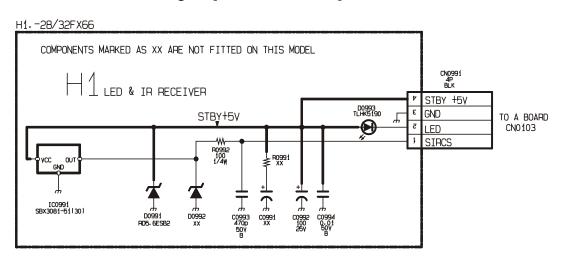
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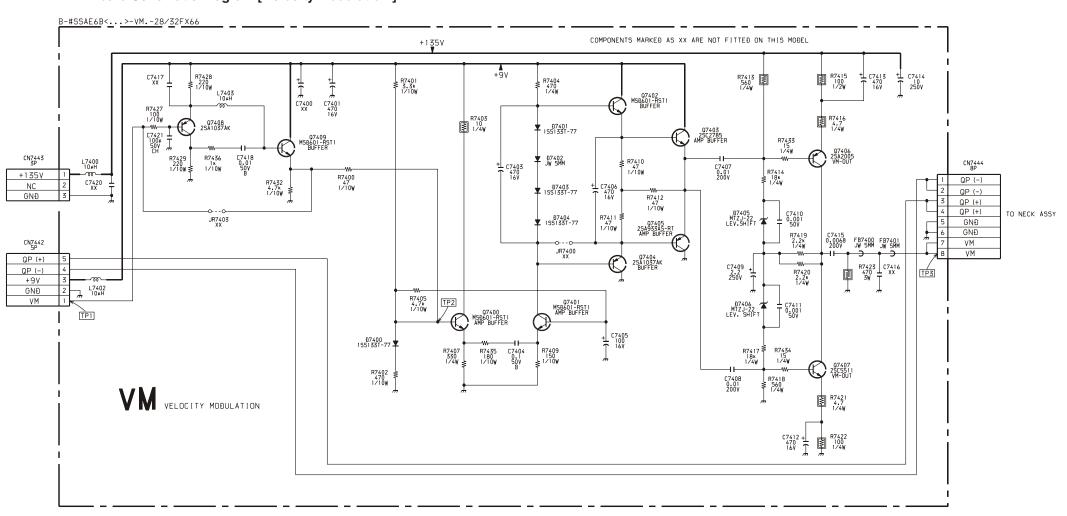
~ F4 Board Schematic Diagram [Power Switch & Fuse] ~

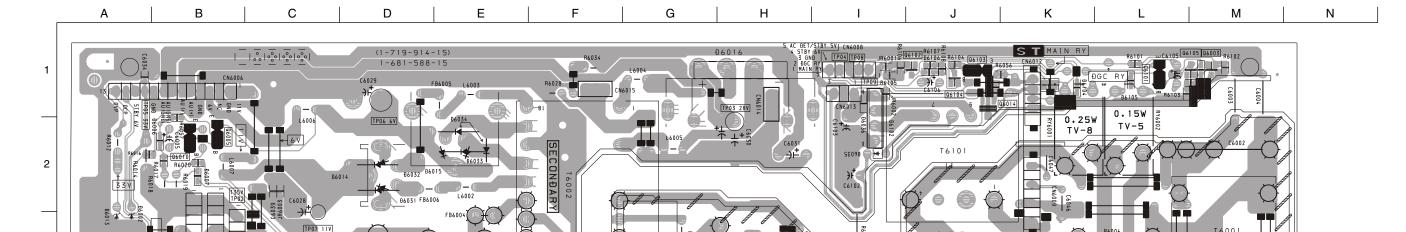


~ H1 Board Schematic Diagram [LED & IR Receiver] ~



~ VM Board Schematic Diagram [Velocity Modulation] ~





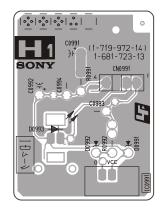
PRIMARY

SONY

~ G Board Semiconductor Location Table ~

Γ	DIC	DDE	D6015	E - 2	TRAN	SISTOR	Q6102	J - 1
Γ	D6002	A - 3	D6023	H - 3	Q6003	M - 1	Q6103	J - 1
	D6003	G - 4	D6030	G - 4	Q6005	B - 2	Q6105	L - 1
	D6004	G - 4	D6031	D - 2	Q6006	H - 4		
	D6008	G - 3	D6032	D - 2	Q6007	H - 3		
	D6009	E - 4	D6033	E - 2	Q6008	D - 4		
	D6010	E - 4	D6034	E - 2	Q6009	E - 4		
	D6011	E - 3		IC	Q6010	B - 2		
	D6012	E - 3	IC6001	G - 5	Q6014	J - 2		
	D6013	A - 3			Q6101	L - 1		

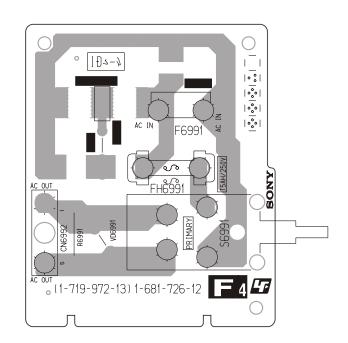
~ G Printed Wiring Board Conductor side ~



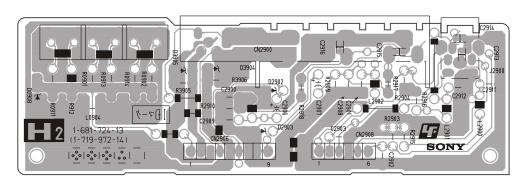
~ H1 Printed Wiring Board Conductor side ~

10

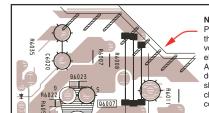
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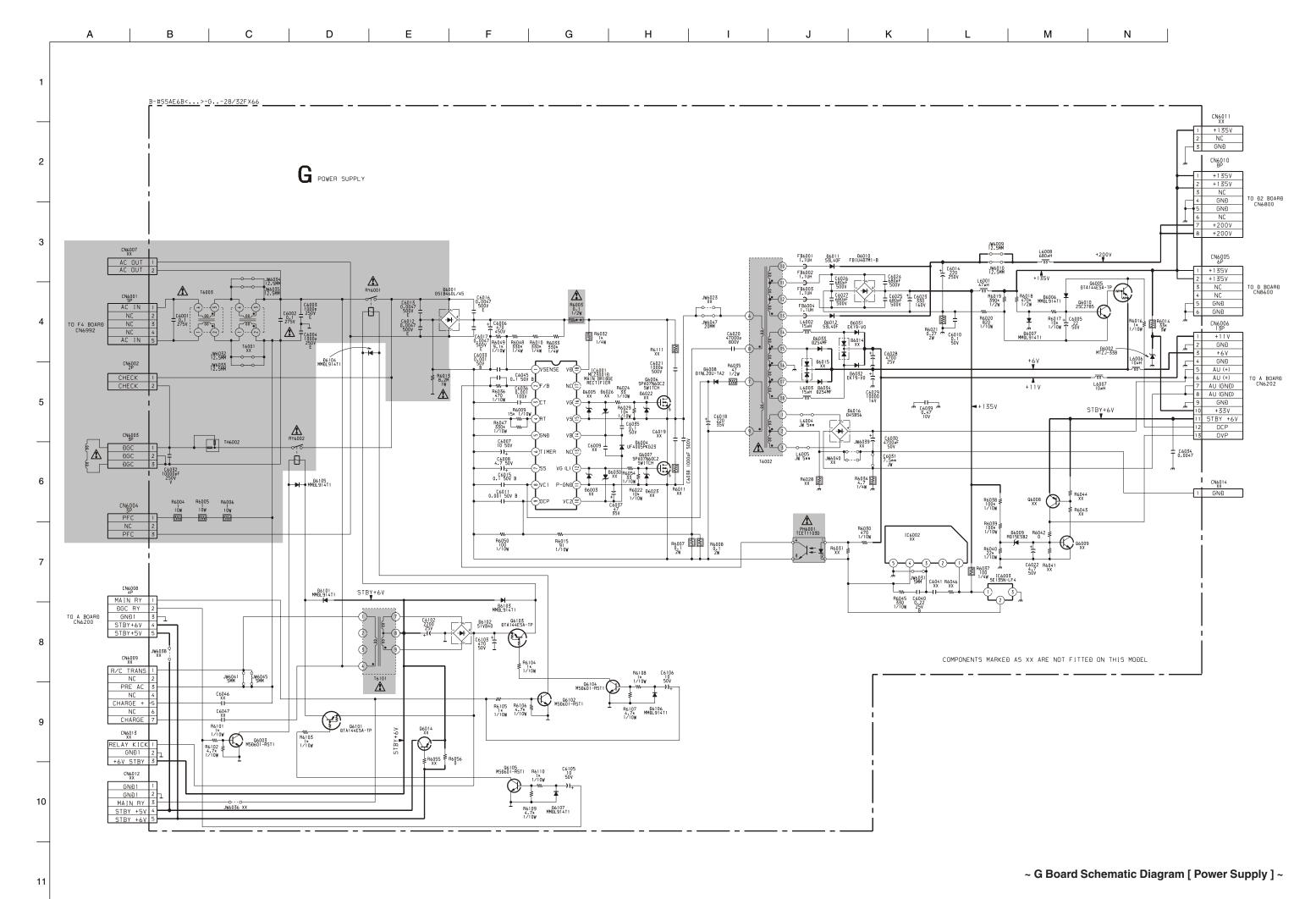
~ F4 Printed Wiring Board Conductor side ~



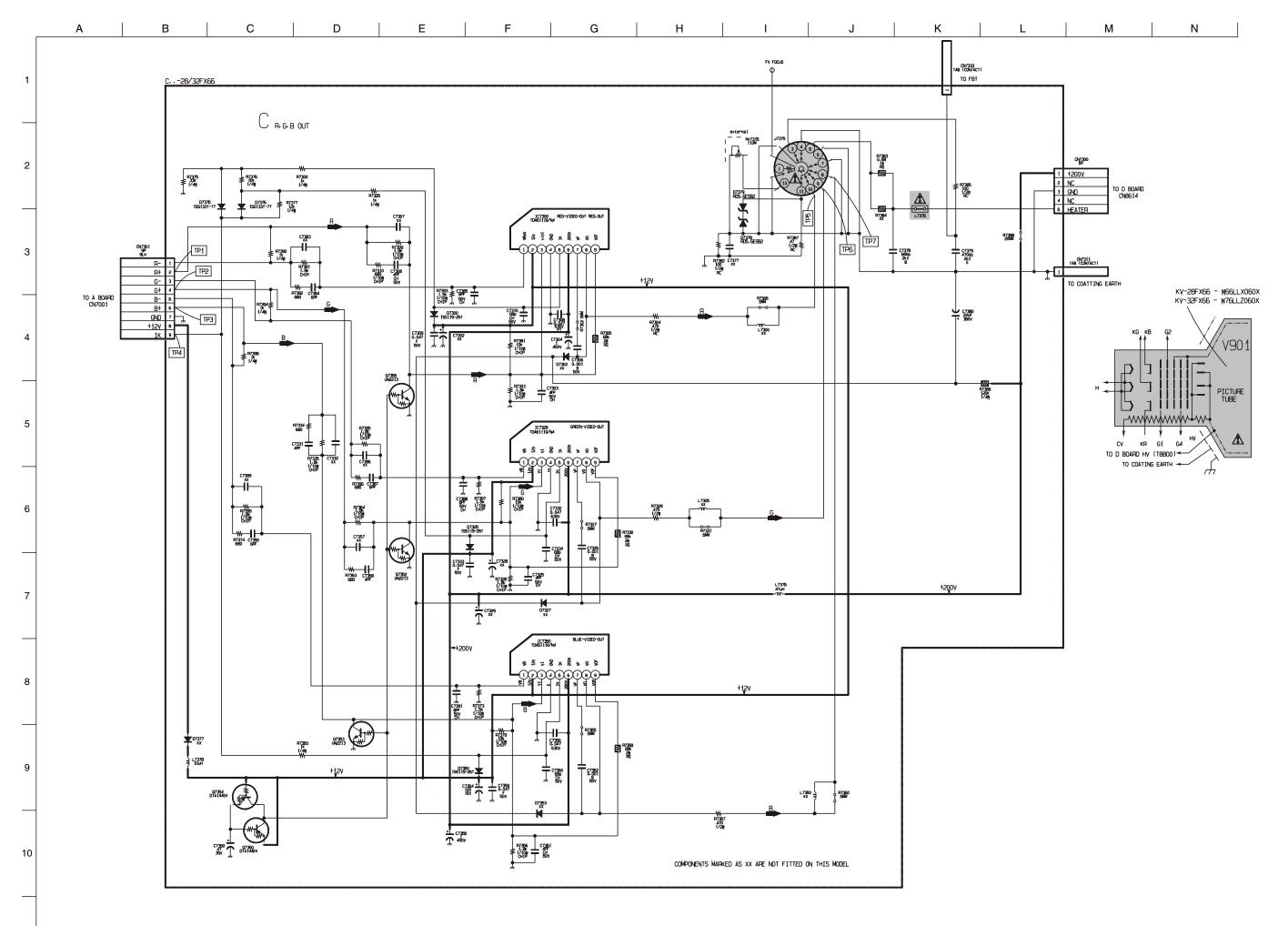
~ H2 Printed Wiring Board Conductor side ~



Note:
Portions of the circuit contained within the marked areas as shown have high voltages present. Use care to prevent electric shock during inspection or repair. An Isolation Transformer must be used during any Service work to avoid possible shock hazard due to live chassis. The chassis of this receiver is directly connected to the power line.

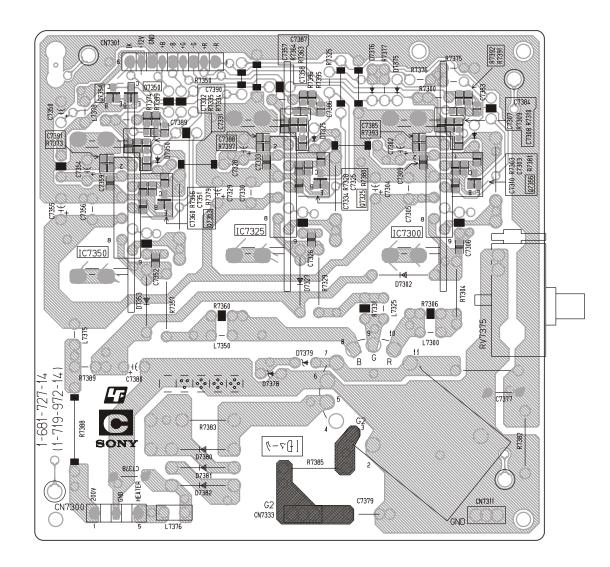


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~ C Printed Wiring Board Conductor side ~



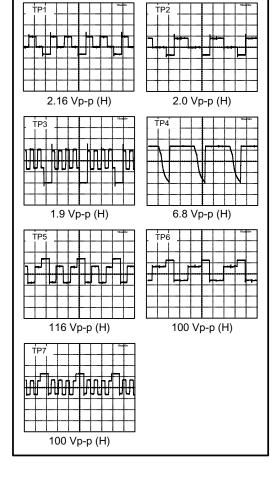
~ C Board Semiconductor Voltage Table ~

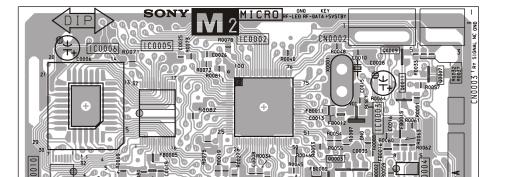
Ref	(e)	(b)	(c)
Q7350	12	11.98	0
Q7352	0	0	3.8
Q7353	0	0	3.8
Q7354	11.98	12	0
Q7355	0	0	3.8

~ C Board IC Voltage Table ~

IC '	Voltage	Table	
Ref No	Pin No	Voltage (V)	
	1	3.9	
	3	3.8	
	5	7.5	
IC7300	6	200	
	7	140	
	8	153	
	9	140	
	1	3.9	
	3	3.8	
	5	7.7	
IC7325	6	200	
	7	140	
	8	153	
	3 3.8 5 7.7 6 200 7 140		
	1	3.9	
	3	3.8	
	5	7.5	
IC7350	6	200	
	7	139	
	8	148	
	9	138	

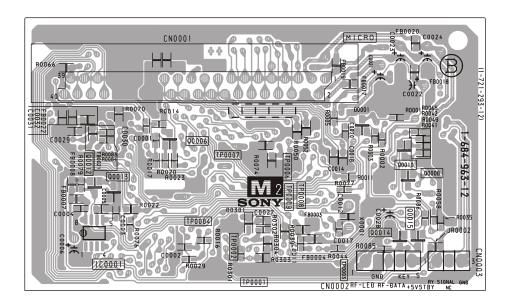
~ C Board Waveforms ~

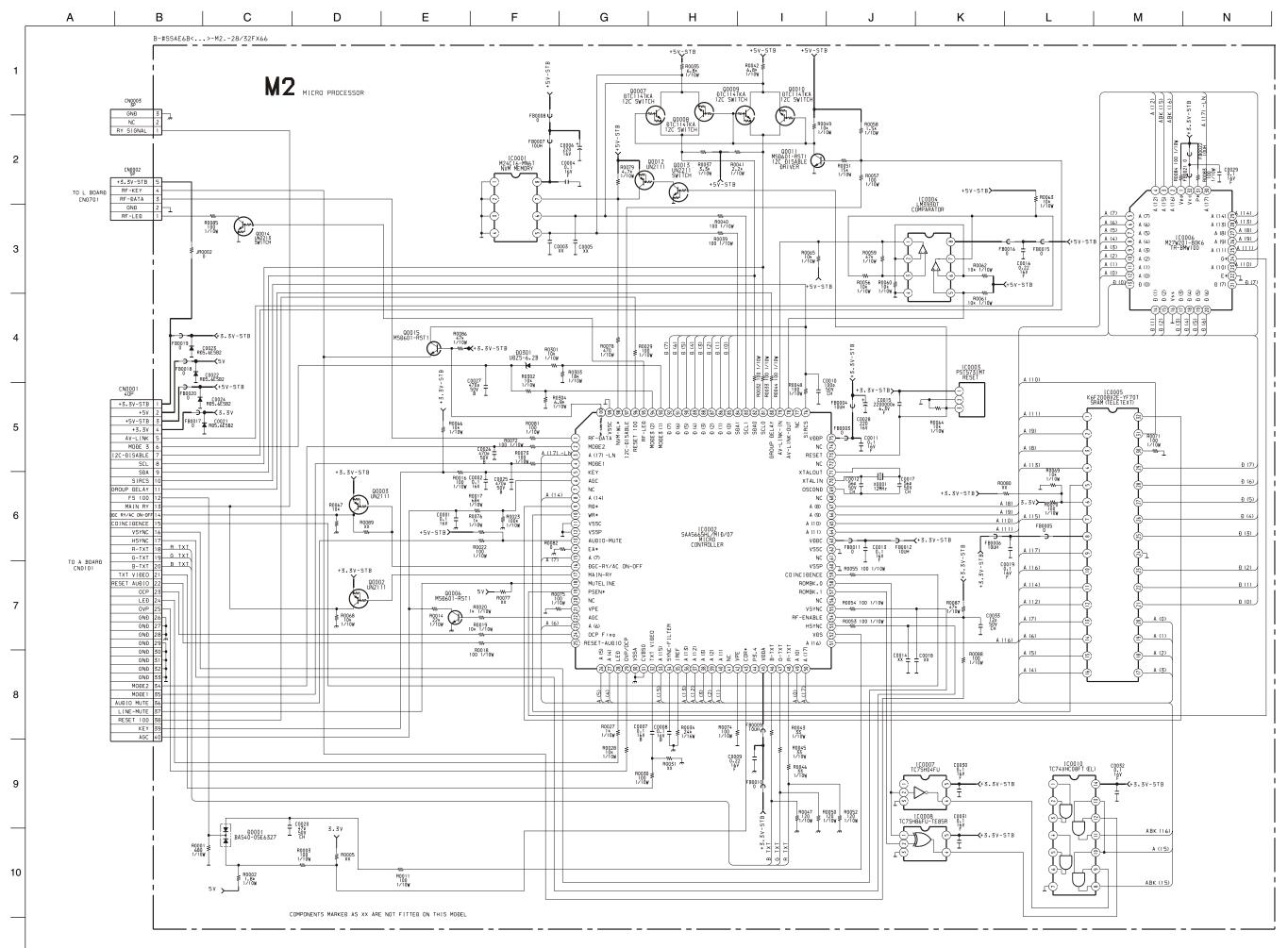




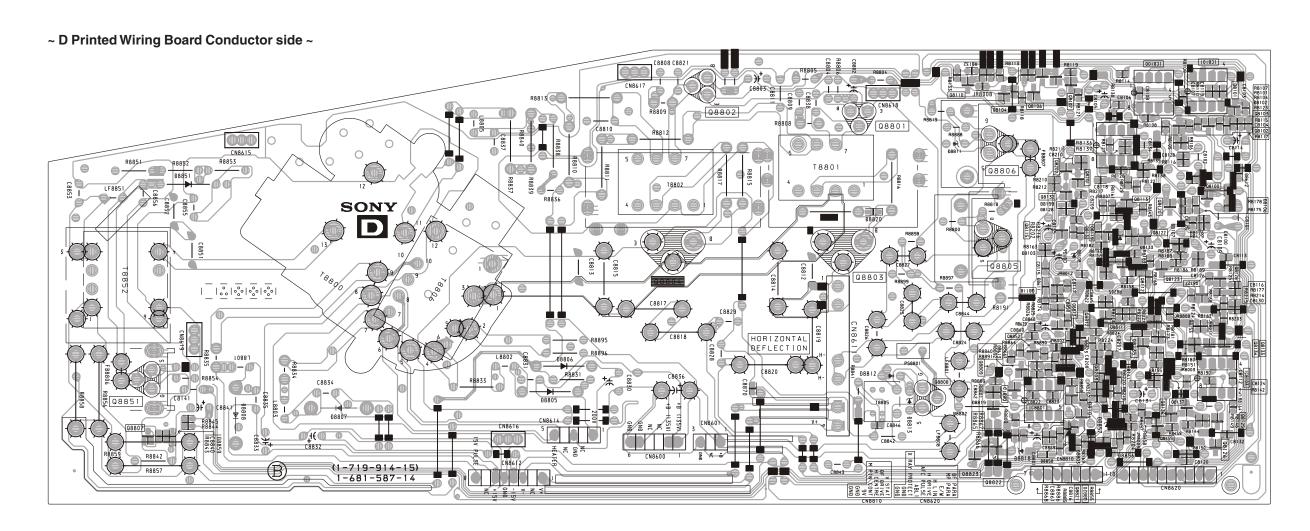
~ M2 Printed Wiring Board Conductor side B ~

~ M2 Printed Wiring Board Conductor side A ~

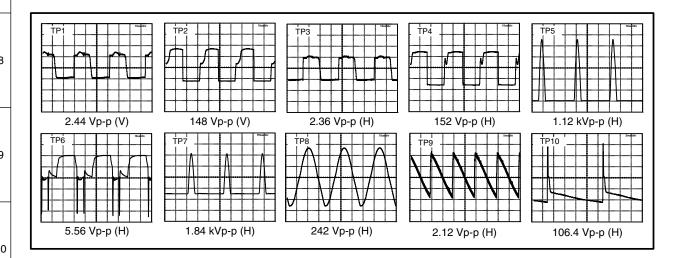




11



~ D Board Waveforms ~



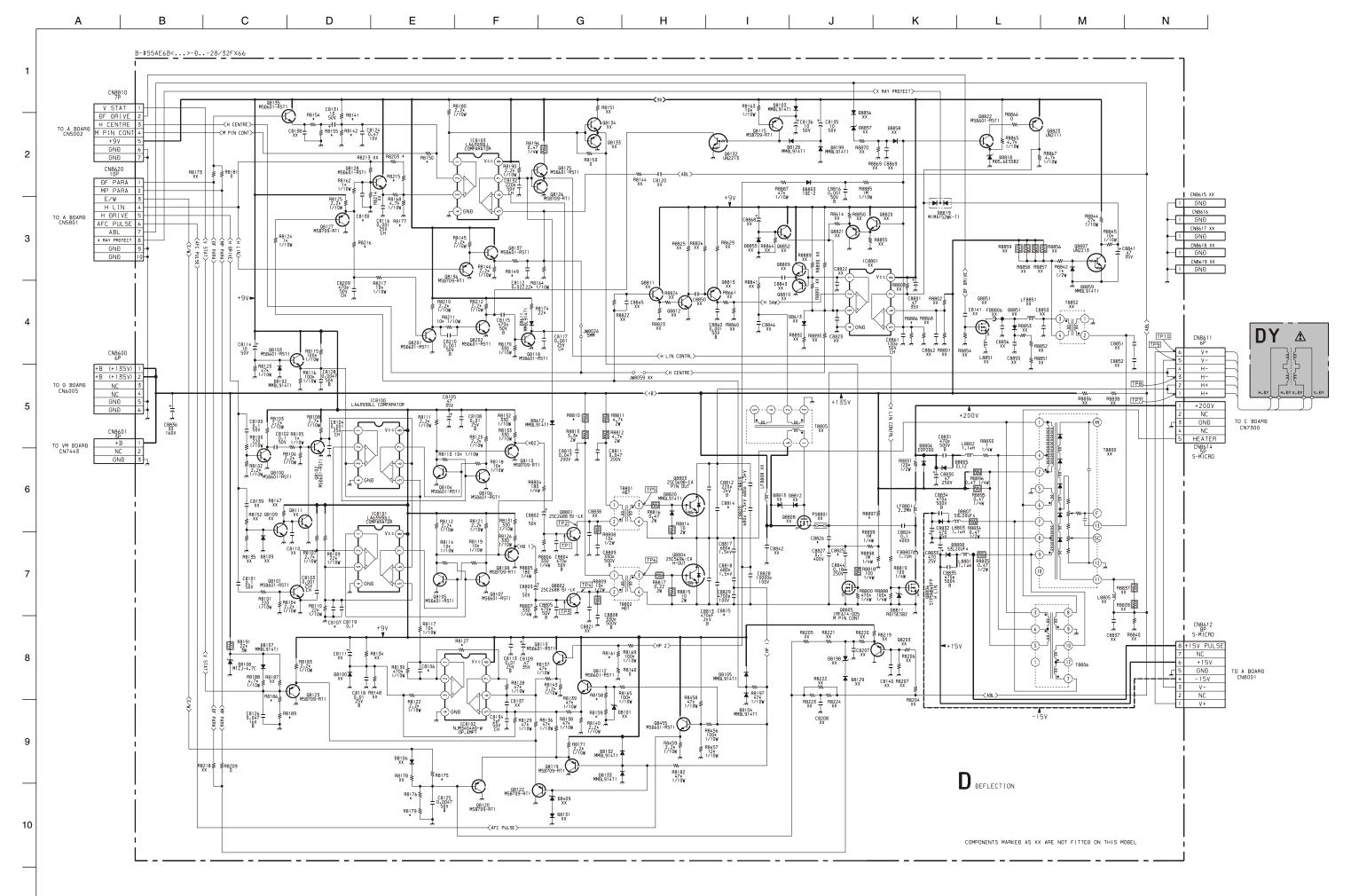
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~ D Board IC Voltage Table ~

IC '	Voltage	Table
Ref No	Pin No	Voltage (V)
	1	0.3
	2	4.3
IC8100	3	4.1
100100	5	4.1
	6	3.0
	7	0.4
		0.3
	2 4.3 3 4.1 5 4.1 6 3.0 7 0.4 1 0.3 2 4.3 3 4.4 5 4.4 6 3.0 7 0.4 1 4.1 2 0.4 3 0.4 5 0.4 6 0.4 7 0.4 1 2.5 2 2.1	
IC8101	3	4.4
100101		4.4
		3.0
	7	
	1	4.1
		0.4
IC8102		0.4
100102	5	0.4
	6	0.4
	7	
		_
		2.1
IC8103	3	1.7
	5	1.6
	7	1.1

~ D Board Semiconductor Voltage Table ~

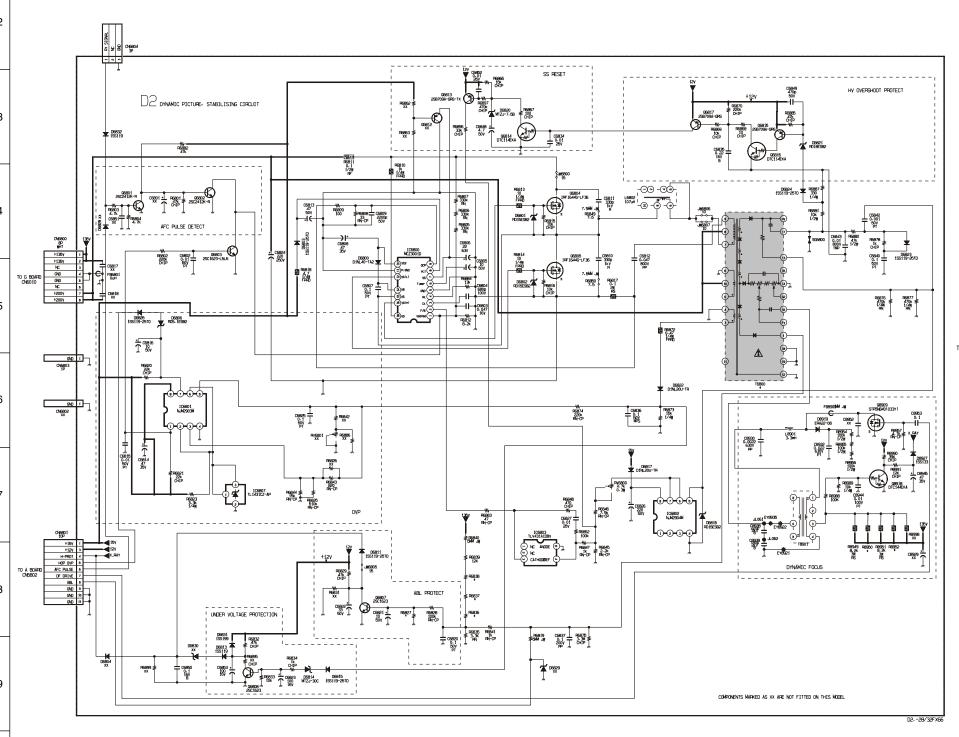
Ref	(e)(s)	(b)(g)	(c)(d)												
Q8100	0	0.6	3.6	Q8110	2.4	3.1	0	Q8128	3.4	1.5	8.9	Q8801	0	0.4	64.7
Q8101	0	0.6	4.3	Q8113	0.3	0.2	8.9	Q8132	0	0	3.4	Q8802	0	0.4	73.2
Q8102	0	0.3	4.3	Q8115	8.6	8.9	0	Q8135	2.6	3.2	8.9	Q8807	0	6.3	0
Q8103	4.0	0	8.9	Q8118	0	0	5.0	Q8136	2.5	1.8	0	Q8818	0	0	5.0
Q8104	0	0.4	3.1	Q8119	0.7	1.4	0	Q8137	1.8	2.5	8.9	Q8822	5.5	4.9	0
Q8105	0	0.4	3.2	Q8120	0.7	2.3	0	Q8201	0	0.6	3.9	Q8823	8.9	8.5	0
Q8106	0	0.3	4.3	Q8122	0.5	1.4	0	Q8202	0	0.8	3.4	Q8805	0	2.5	33
Q8107	0	0.3	4.2	Q8123	0.5	1.4	0	Q8203	1.4	0.9	0	Q8806	0	1.2	135
Q8108	2.4	3.2	0	Q8127	1.4	1.5	0	Q8455	1.1	1.7	8.9	Q8851	0	5.4	81.5



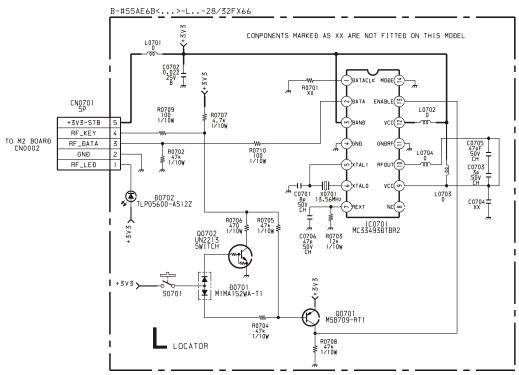
11

~ D2 Board Schematic Diagram [Dynamic Picture Stabilising Circuit] ~

11



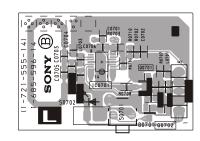
~ L Board Schematic Diagram [Locator] ~



~ D Board Difference Table ~

Ref	28FX66	32FX66
C8106	0.001UF 10.00% 50V	470PF 5.00% 50V
C8107	-	27K 0.5% 1/10W
C8130	220PF 5.00% 50V	-
C8814	7500PF 3.00% 1.2KV	6800PF 3% 1.2KV
C8815	6800PF 3.00% 1.5KV	6200PF 3% 1.5KV
C8825	0.22UF 5.00% 250V	0.18UF 5% 250V
C8826	0.68UF 5% 250V	0.56UF 5% 250V
R8127	4.7K 0.5% 1/10W	6.8K 0.5% 1/10W
R8141	22K 0.5% 1/10W	33K 0.5% 1/10W
R8142	7.5K 0.5% 1/10W	4.7K 0.5% 1/10W
R8149	22K 5% 1/10W	3.9K 5% 1/10W
R8150	22K 5% 1/10W	6.8K 0.5% 1/10W
R8154	5.6K 5% 1/10W	1.2K 0.5% 1/10W
R8155	4.7K 0.5% 1/10W	2.7K 5% 1/10W
R8158	2.2K 0.5% 1/10W	4.7K 0.5% 1/10W
R8159	2.2K 0.5% 1/10W	SHORT 0
R8161	6.8K 0.5% 1/10W	8.2K 0.5% 1/10W
R8175	4.7K 5% 1/10W	6.8K 0.5% 1/10W
R8176	SHORT 0	10K 5% 1/10W
R8177	5.6K 5% 1/10W	4.7K 5% 1/10W
R8179	4.7K 5% 1/10W	SHORT 0
R8186	2.7K 5% 1/10W	3.3K 5% 1/10W
R8189	1.5K 5% 1/10W	560 5% 1/10W
R8203	6.8K 0.5% 1/10W	SHORT 0
R8215	22K 0.5% 1/10W	47K 0.5% 1/10W
R8216	47K 5% 1/10W	47K 0.5% 1/10W
R8810	4.7K 5% 2W	3.9k 5% 2W
R8886		150K 0.5% 1/10W
R8897	470K 1% 1/4W	680K 1% 1/4W

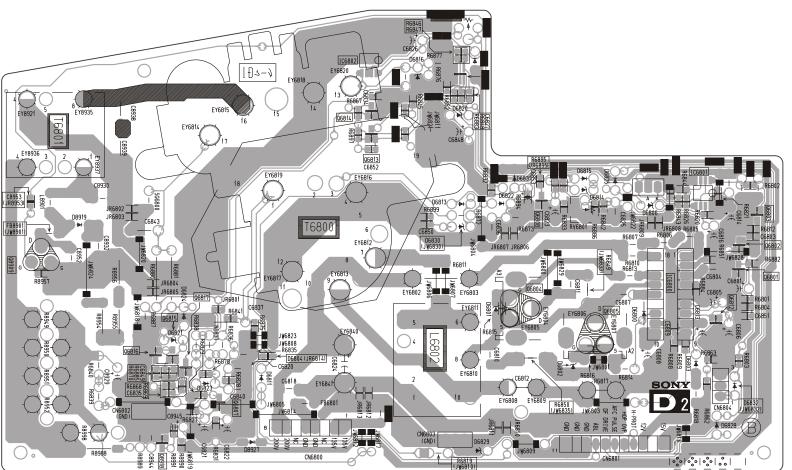
~ L Printed Wiring Board Conductor side ~



~ D2 Board Difference Table ~

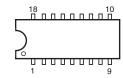
Ref	28FX66	32FX66
R6827	220K 5% 1/10W	82K 0.5% 1/10W
R6836	15K 1% 1/4W	12K 1% 1/4W
R6837	15K 1% 1/4W	12K 1% 1/4W
R6838	10K 1% 1/4W	12K 1% 1/4W
R8950	8.2K 5% 3W	10K 5% 3W
R8952	8.2K 5% 3W	10K 5% 3W
T6800	FBT ASSY NX-6020//Z214	FBT ASSY NX-6020//Z2B4

~ D2 Printed Wiring Board Conductor side ~



5-4. SEMICONDUCTORS

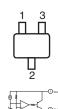
CXAB070AP MCZ3001D



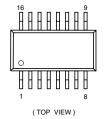




PST573IMT



CXA1875AM-T4



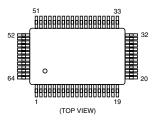
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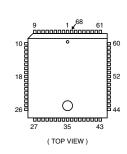
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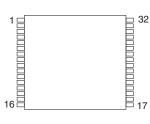
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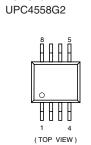


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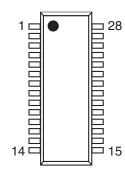
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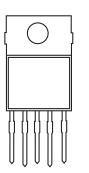


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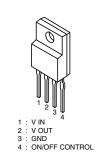
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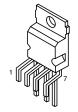
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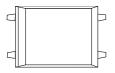
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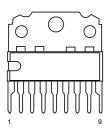
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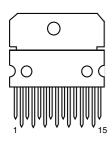
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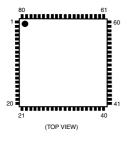
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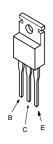
TDA7497



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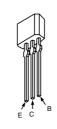
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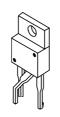
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DTA144ESA 2SA933AS-QT 2SC2785-HFE



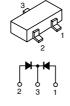
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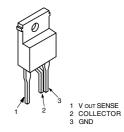
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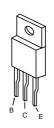
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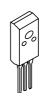
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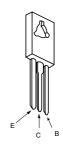
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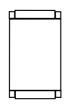
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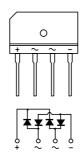
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BYV98-200-RAS 15/12

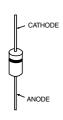


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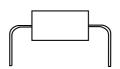
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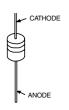
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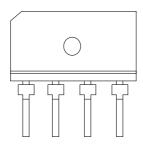
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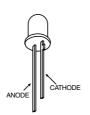
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HZS9.1NB2 RD39ES-B2
MTZJ-13B RD5.6ESB2
MTZJ-33B 1SS119-25
MTZJ-3.6A 1SS133T-77
MTZJ-4.7C



GS1B460/45

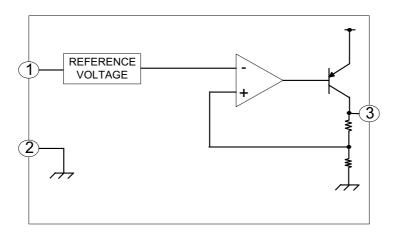


TLHK5190

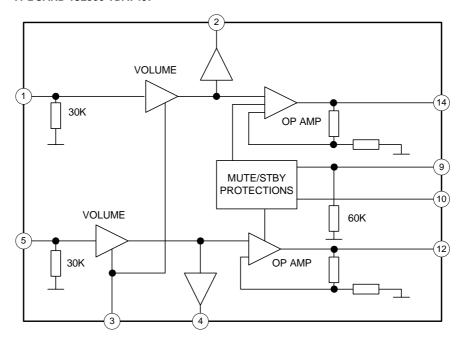


5-5 IC BLOCK DIAGRAMS

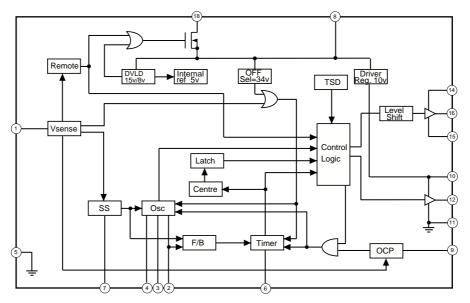
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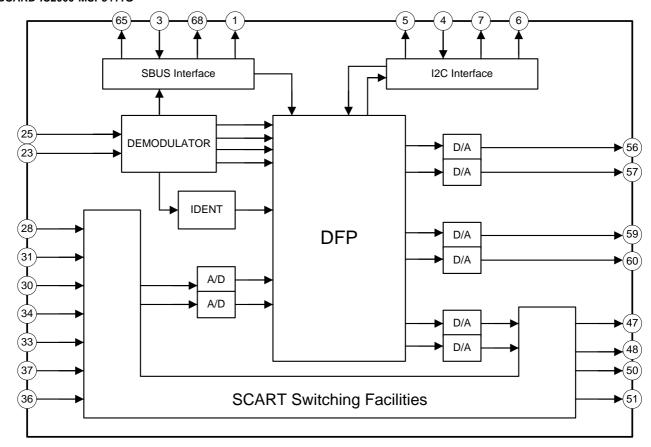
A BOARD IC2500 TDA7497



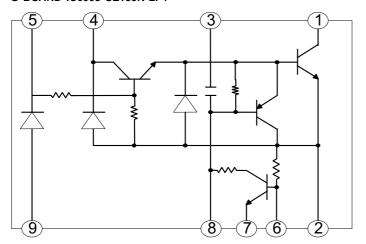
G BOARD IC6001 MCZ3001D



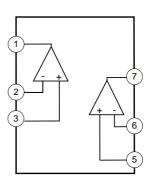
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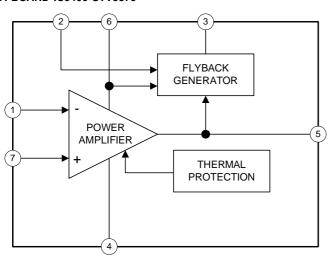
G BOARD IC6003 SE135N-LF4



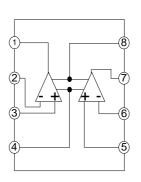
A BOARD IC5301/IC5302 LA6393DLL



A BOARD IC5400 STV9379



A BOARD IC5300 LM358N



SECTION 6 EXPLODED VIEWS

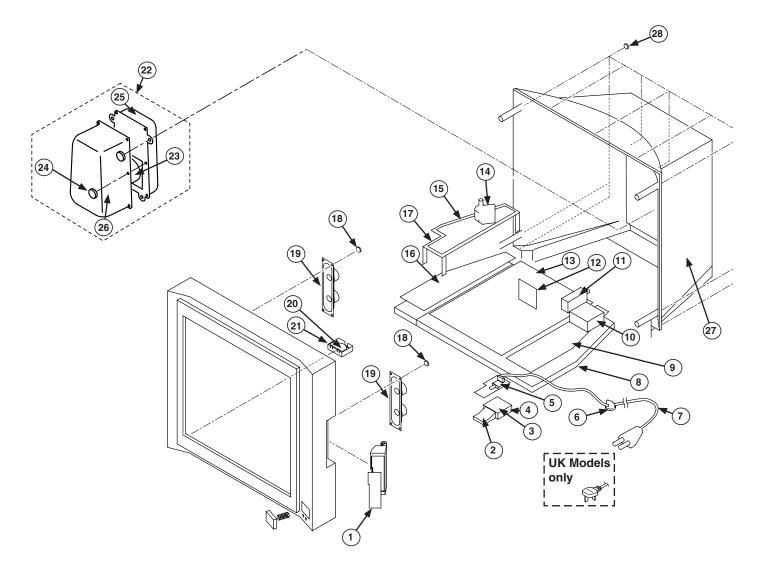
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. Note: Les composants indentifies par une trame et par une marque △ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

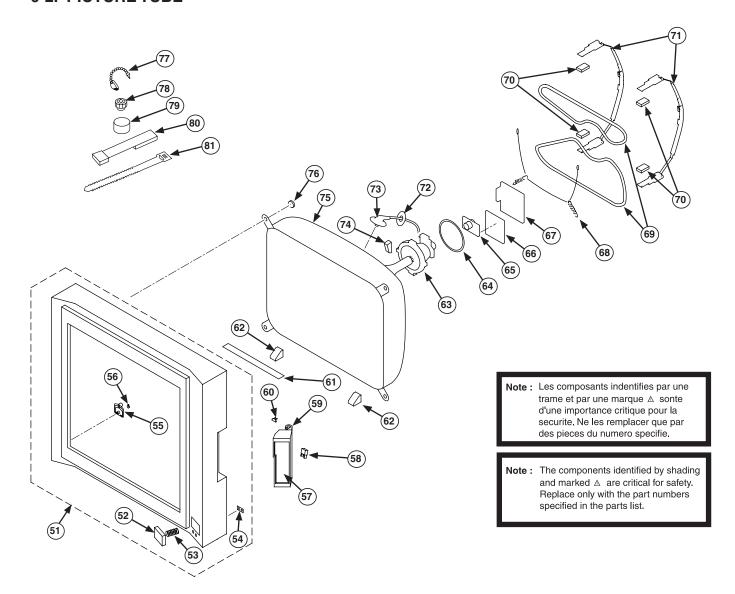
6-1. CHASSIS



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
1	*A-1647-043-A	H2 BOARD, COMPLETE		11	8-598-535-12	FRONTEND BTF-EF411	(KV-28FX66B/32FX66B)
2	*A-1646-243-A	H1 BOARD, COMPLETE			8-598-533-01	FRONTEND BTF-EC411	(KV-28FX66E/32FX66E
3	*A-1625-000-A	F4 BOARD, COMPLETE					KV-32FX66K)
4	*4-206-097-01	F4, H1 BRACKET			8-598-529-01	FRONTEND BTF-EU611	(KV-28FX66U/32FX66U)
5 △	1-571-433-21	SWITCH, PUSH (AC POWER	R)	12	*A-1400-284-A	M2 BOARD, COMPLETE	
6	*4-202-531-01	AC CORD LOCK (SC)		13	*A-1300-358-A	A BOARD, COMPLETE	(KV-28FX66B)
7 △	1-823-853-11	CORD, POWER (KV-28FX6	SB/28FX66E/32FX66B/		*A-1300-167-A	A BOARD, COMPLETE	(KV-28FX66E)
		KV-32FX6	SE/32FX66K)		*A-1300-601-A	A BOARD, COMPLETE	(KV-28FX66U)
\triangle	1-776-860-12	POWER CORD, FILTER (U	()		*A-1300-579-A	A BOARD, COMPLETE	(KV-32FX66B)
		(KV-28FX6	SU/32FX66U)		*A-1300-172-A	A BOARD, COMPLETE	(KV-32FX66E/32FX66K)
8	*4-206-106-11	BRACKET, MAIN (KV-28F)	(66)		*A-1300-580-A	A BOARD, COMPLETE	(KV-32FX66U)
	*4-206-106-01	BRACKET, MAIN (KV-32F)	(66)	14 🛮	1-453-378-21	TRANSFORMER ASSY,	FLYBACK (NX-6020//Z214)
9	*A-1300-173-A	G BOARD, COMPLETE					(KV-28FX66)
10	1-424-855-11	COIL, CHOKE 29MMH		Δ	1-453-444-11	TRANSFORMER ASSY,	FLYBACK (NX-6020//Z2B4)
							(KV-32FX66)

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
15	*A-1300-530-A	D2 BOARD, COMPLET	E (KV-28FX66)	23	1-529-417-11	SPEAKER (8CM) (KV	-28FX66)
	*A-1300-514-A	D2 BOARD, COMPLET	E (KV-32FX66)		1-529-408-11	SPEAKER (4.2x24CM) (KV-32FX66)
16	*A-1300-168-A	D BOARD, COMPLETE	(KV-28FX66)	24	4-039-358-01	SCREW (4x16), (+)	BV TAPPING (KV-28FX66)
	*A-1300-174-A	D BOARD, COMPLETE	(KV-32FX66)		7-685-663-71	SCREW +BVTP 4x16	TYPE 2 IT-3 (KV-32FX66)
17	*4-087-469-11	BRACKET, D2 (KV-2	28FX66)	25	*4-204-775-21	BAFFLE WOOFER (KV	-28FX66)
	*4-087-469-01	BRACKET, D2 (KV-3	32FX66)		*4-204-775-31	BAFFLE WOOFER (KV	-32FX66)
18	4-039-358-01	SCREW (4x16), (+)	BV TAPPING (KV-28FX66)	26	*4-204-776-21	BOX WOOFER (KV-28	FX66)
	7-685-663-71	SCREW +BVTP 4x16	TYPE 2 IT-3 (KV-32FX66)		*4-204-776-31	BOX WOOFER (KV-32	FX66)
19	1-529-899-11	SPEAKER (4.2x24CM	f)	27	*4-205-700-31	REAR COVER (KV-28	FX66)
20	*A-1400-969-A	L BOARD, COMPLETE	L		*4-205-540-21	REAR COVER (KV-32	FX66)
21	*4-088-951-01	BRACKET LOCATOR		28	4-039-358-01	SCREW (4x16), (+)	BV TAPPING (KV-28FX66)
22	*A-1678-192-B	WOOFER ASSY SP (F	(V-28FX66) 23-26		7-685-663-79	SCREW +BVTP 4x16	TYPE 2 IT-3 (KV-32FX66)
	*A-1603-314-A	WOOFER COMPLETE A	ASSY (KV-32FX66)				

6-2. PICTURE TUBE



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO).	PART.NO	DESCRIPTION	REMARK
51	*X-4040-352-1	BEZNET ASSY (KV-28FX66)	52-56	63	Δ	8-451-521-21	DEFLECTION YOKE	(Y28RVC3-B2) (KV-28FX66)
	*X-4040-335-1	BEZNET ASSY (KV-32FX66)			Δ	1-451-480-22	DEFLECTION YOKE	(Y32RVC2) (KV-32FX66)
52	4-205-699-03	POWER BUTTON (KV-28FX66)		64		1-419-363-11	COIL, NA ROTATIO	N (RT200) (KV-28FX66)
	4-205-720-02	POWER BUTTON (KV-32FX66)				1-452-896-11	COIL, NA ROTATIO	N (RT200) (KV-32FX66)
53	4-202-964-11	SPRING (KV-28FX66)		65		8-453-011-11	NECK ASSY, (NA29	9-M)
	4-204-426-01	SPRING (KV-32FX66)		66		*A-1300-627-A	VM BOARD, COMPLE	TE
54	4-205-698-02	GUIDE, LIGHT		67		*A-1300-578-A	C BOARD, COMPLET	Ε
55	4-088-950-01	BUTTON LOCATOR		68		4-200-433-01	SPRING, EXTENSIO	N (KV-28FX66)
56	4-088-949-01	GUIDE LIGHT, LOCATOR				4-369-318-21	SPRING, TENSION	(KV-32FX66)
57	4-205-696-31	DOOR (KV-28FX66)		69	\triangle	1-424-886-11	COIL, DEGAUSSING	(KV-28FX66)
	4-206-541-11	DOOR (KV-32FX66)			\triangle	1-424-888-11	COIL, DEGAUSSING	(KV-32FX66)
58	4-047-464-01	CATCHER, PUSH		70		4-203-390-71	CUSHION, DGC (KV	-28FX66)
59	*4-205-695-02	DOOR BRACKET (KV-28FX66)				4-203-390-11	CUSHION, DGC (KV	-32FX66)
	4-206-723-02	DOOR BRACKET (KV-32FX66)		71		*4-057-303-01	HOLDER, DGC (KV-	28FX66)
60	4-025-743-01	SPRING, TORSION (KV-28FX	(66)			*4-204-768-01	HOLDER, DGC (29") (KV-32FX66)
	4-025-725-01	DOOR SPRING (KV-32FX66)		72		4-202-693-01	HOLDER, HV CABLE	(KV-28FX66)
61	4-203-128-41	SHEET, BLOTTING (KV-28FX	(66)			*4-203-022-01	HOLDER, HV (KV-3	2FX66)
	4-204-865-01	SHEET, BLOTTING (KV-32FX	(66)	73	Δ	1-251-946-21	CAP ASSY, HIGH-V	OLTAGE (KV-28FX66)
62	*4-203-098-01	SUPPORTER, CRT (KV-32FX6	56)		Δ	1-251-374-32	CAP ASSY, HIGH-V	OLTAGE (KV-32FX66)

REF.N	0.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
74		4-203-658-01	SPACER, DY (KV-28FX66)		77	4-308-870-00	CLIP, LEAD WIRE	
		3-704-495-01	SPACER, DY (KV-32FX66)		78	1-452-094-00	MAGNET, ROTATABLE DISK;	15MM
75	Δ	8-735-099-05	PICTURE TUBE (W66LLX060X) (KV-28FX66)	79	1-452-032-00	MAGNET, DISK; 10MM	
	Δ	8-735-079-05	PICTURE TUBE (W76LLZ060X) (KV-32FX66)	80	X-4387-214-1	PERMALLOY ASSY, CORRECT:	ION
76		4-036-188-01	SCREW SELF TAPPING		81	3-701-007-00	BAND, BINDING	
		4-046-765-12	SCREW, TAPPING 7+CROWN W	ASHER (KV-32FX66)				

SECTION 7 ELECTRICAL PARTS LIST

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Note: Refer to the designated variant parts list when seeking a part indicated by an asterisk (*) Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.



REF.NO.	PART.NO	DESCRIPTION	1	REM	MARK	REF.NO.	PART.NO	DESCRIPTION	N .	REN	MARK
	00-168-A DE					C8820	1-125-893-11	FILM	680PF	3.00%	
*A-130	00-174-A DE	Board, Comp	lete (KV-	32FX66	5)	C8824	1-107-846-11	FILM	0.1UF	5.00%	
						C8827	1-107-846-11	FILM	0.1UF	5.00%	
	4-382-854-01	SCREW (M3X8)	, P, SW (+)			C8828	1-127-681-11	FILM	10000PF	2%	100V
D Boai	rd Common F	Parts				C8829	1-127-680-11	FILM	4700PF	2%	100V
						C8830	1-107-655-11	ELECT	47UF	20.00%	250V
	< CAPACIT	'OR >				C8831	1-102-228-00	CERAMIC	470PF	10.00%	500V
						C8832	1-126-941-11	ELECT	470UF	20.00%	25V
8100	1-136-165-00	FILM	0.1UF	5.00%		C8833	1-126-941-11	ELECT	470UF	20.00%	25V
8101	1-136-165-00	FILM	0.1UF	5.00%	50V	C8834	1-102-228-00	CERAMIC	470PF	10.00%	500V
8102	1-136-165-00	FILM	0.1UF	5.00%	50V						
8103	1-115-416-11	CERAMIC CHIP		5.00%	25V	C8835	1-102-228-00	CERAMIC	470PF	10.00%	500V
8104	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V	C8836	1-123-024-21	ELECT	33UF		160V
						C8841	1-126-947-11	ELECT	47UF	20.00%	35V
8105	1-126-947-11	ELECT	47UF	20.00%		C8844	1-115-513-21	FILM	0.18UF	5.00%	
8108	1-162-970-11	CERAMIC CHIP		10.00%		C8860	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
8109	1-126-947-11	ELECT	47UF	20.00%							
8112	1-164-227-11	CERAMIC CHIP		10.00%		C8861	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
8113	1-162-970-11	CERAMIC CHIP	0.0101	10.00%	237		< CONNECT	IOP \			
8114	1-126-964-11	ELECT	10UF	20.00%	50V		CONNECT	OK >			
8115	1-162-962-11	CERAMIC CHIP	470PF	10.00%		CN8600	*1-564-509-11	PLUG, CONNEC	T∩D 6D		
8116	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%		CN8601	*1-564-506-11	PLUG, CONNEC			
8117	1-115-416-11	CERAMIC CHIP		5.00%		CN8611	*1-785-270-12	PIN, DY CONN		וחפעט	
8118	1-162-970-11	CERAMIC CHIP		10.00%		CN8612	*1-763-270-12	PLUG, CONNEC	-	DORKD)	
-	· ···		*			CN8612	*1-564-511-11	PLUG, CONNEC			
8119	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V	C40014	1 304 300-11	1100, COMMEC	LVIN JE		
8124	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%		CN8616	1-695-915-11	TAB (CONTACT	١		
8125	1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	50V	CN8620	1-764-333-11	PLUG, CONNEC	•		
8126	1-165-176-11	CERAMIC CHIP	0.047UF	10.00%	16V	CN8810	*1-564-510-11	PLUG, CONNEC			
8128	1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	50V	0.10020	1 001 010 11	1200, 0011120			
C8131	1-126-964-11	ELECT	10UF	20.00%	5077		< DIODE >				
28132	1-126-964-11	CERAMIC CHIP		5.00%		-0100					
8134	1-104-230-11	CERAMIC CHIP	2PF	0.25PF		D8102	8-719-081-97				
8135	1-102-955-00		10UF	20.00%		D8103	8-719-081-97	DIODE MMDL91			
8136	1-126-964-11		10UF	20.00%		D8104	8-719-081-97	DIODE MMDL91			
0130	1 120 304-11	20001	-vvr	20.000	501	D8105	8-719-081-97	DIODE MMDL91			
8209	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V	D8107	8-719-081-97	DIODE MMDL91	411		
8210	1-162-964-11			10.00%		D8108	8-719-921-40	DIODE MTZJ-4	70		
8801	1-126-947-11	ELECT	47UF	20.00%		D8108 D8128	8-719-921-40	DIODE MIZJ-4 DIODE MMDL91			
8802	1-126-960-11	ELECT	1UF	20.00%		D8128 D8132	8-719-081-97	DIODE MMDL91			
8803	1-126-960-11		1UF	20.00%		D8132 D8133	8-719-081-97	DIODE MMDL91			
			-		•	D8133	8-719-081-97	DIODE MMDL91			
8804	1-102-114-00	CERAMIC	470PF	10.00%	50V		J . 20 VV2 01				
8805	1-102-114-00	CERAMIC	470PF	10.00%	50V	D8611	8-719-081-97	DIODE MMDL91	4T1		
8888	1-102-030-00	CERAMIC	330PF	10.00%	500V	D8612	8-719-081-97	DIODE MMDL91			
8809	1-102-030-00	CERAMIC	330PF	10.00%	500V	D8803	8-719-200-02	DIODE 10E-2			
8810	1-107-368-11	MYLAR	0.047UF	10.00%	200V	D8805	8-719-302-43	DIODE EL1Z			
						D8806	8-719-979-85	DIODE EGP20G			
8811	1-107-368-11		0.047UF	10.00%							
8812	1-162-131-11		220PF	10.00%		D8807	8-719-510-73	DIODE S3L20U	F4		
8813	1-162-134-11	CERAMIC	470PF	10.00%		D8808	8-719-510-73	DIODE S3L20U	F4		
8816	1-162-964-11	CERAMIC CHIP		10.00%		D8811	8-719-110-41	DIODE RD15ES	B2		
8817	1-125-893-11	FILM	680PF	3.00%	1.5KV	D8818	8-719-109-89	DIODE RD5.6E	SB2		
0010	4 400 000 11		COOF-		4 Perr	D8819	8-719-050-38	DIODE M1MA15	2WK-T1		
8818	1-125-893-11		680PF	3.00%							
8819	1-125-893-11	FILM	680PF	3.00%	1.5KV	D8820	8-719-081-97	DIODE MMDL91	4T1		



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	l		REMARK
D8859	8-719-081-97	DIODE MMDL914T1		Q8801	8-729-048-47	TRANSISTOR 25	C2688 (5	5)-LK	
				Q8802	8-729-048-47	TRANSISTOR 25	C2688 (5)-LK	
	< FERRITI	E BEAD >		Q8803	8-729-056-16	TRANSISTOR 25	SC5698-8	SONY-C	A
				Q8804	8-729-056-17	TRANSISTOR 25	SC5696-8	SONY-C	A
FB8807	1-410-397-21	FERRITE 1.1UH		Q8805	8-729-050-48	TRANSISTOR IF	RF614-00	05	
	< IC >			Q8806	8-729-047-59	TRANSISTOR ST	P5NB401	FP	
				Q8807	8-729-421-19	TRANSISTOR UN	V2213		
IC8100	8-759-659-67	IC LA6393DLL		Q8822	8-729-010-29	TRANSISTOR MS	SD601-R	ST1	
IC8101	8-759-659-67	IC LA6393DLL		Q8823	8-729-424-08	TRANSISTOR UN	N2111		
IC8102	8-759-638-79	IC NJM3404AD-W							
IC8103	8-759-659-67	IC LA6393DLL			< RESISTO	R >			
	< COIL >			R8100	1-216-813-11	RES-CHIP	220	5%	1/10W
				R8101	1-216-813-11	RES-CHIP	220	5 %	1/10W
L8801	1-410-397-21	FERRITE 1.1UH		R8102	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
L8802	1-410-397-21	FERRITE 1.1UH		R8103	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
L8803	1-410-397-21	FERRITE 1.1UH		R8104	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
	< INDUCTO	OR >		R8105	1-216-821-11	RES-CHIP	1K	5%	1/10W
				R8106	1-216-825-11	RES-CHIP	2.2K		1/10W
LF8801	1-406-985-11	INDUCTOR 2.2MH		R8107	1-208-792-11	METAL CHIP			1/10W
				R8108	1-208-792-11	METAL CHIP			1/10W
	< TRANSIS	STOR >		R8109	1-208-814-91	METAL CHIP	22K		1/10W
Q8100	8-729-010-29	TRANSISTOR MSD601-RST1		R8110	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
Q8101	8-729-010-29	TRANSISTOR MSD601-RST1		R8111	1-216-825-11	RES-CHIP	2.2K		1/10W
Q8102	8-729-010-29	TRANSISTOR MSD601-RST1		R8112	1-216-825-11	RES-CHIP	2.2K		1/10W
Q8103	8-729-010-29	TRANSISTOR MSD601-RST1		R8113	1-216-833-11	RES-CHIP	10K	5%	1/10W
Q8104	8-729-010-29			R8114	1-216-833-11	RES-CHIP	10K	5%	1/10W
-0105	. =				4 044 045 44		4 0 0		4 /4 0
Q8105	8-729-010-29	TRANSISTOR MSD601-RST1		R8115		RES-CHIP		5 %	1/10W
Q8106	8-729-010-29	TRANSISTOR MSD601-RST1		R8116	1-216-845-11	RES-CHIP	100K		1/10W
Q8107	8-729-010-29	TRANSISTOR MSD601-RST1		R8117	1-216-833-11	RES-CHIP	10K	5% =°	1/10W
Q8108	8-729-010-05	TRANSISTOR MSB709-RT1		R8118	1-216-833-11	RES-CHIP	10K	5% =°	1/10W
Q8110	8-729-010-05	TRANSISTOR MSB709-RT1		R8119	1-216-833-11	RES-CHIP	10K	5%	1/10W
Q8112	8-729-010-29	TRANSISTOR MSD601-RST1		R8120	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q8113	8-729-010-29	TRANSISTOR MSD601-RST1		R8121	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q8115	8-729-010-05	TRANSISTOR MSB709-RT1		R8122	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q8118	8-729-010-29	TRANSISTOR MSD601-RST1		R8123	1-216-841-11	RES-CHIP	47K	5 %	1/10W
Q8119	8-729-010-05	TRANSISTOR MSB709-RT1		R8124	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q8120	8-729-010-05	TRANSISTOR MSB709-RT1		R8125	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q8122	8-729-010-05	TRANSISTOR MSB709-RT1		R8126	1-216-815-11	RES-CHIP	330	5%	1/10W
Q8123	8-729-010-05	TRANSISTOR MSB709-RT1		R8128	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q8125	8-729-010-29	TRANSISTOR MSD601-RST1		R8129	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q8126	8-729-010-05	TRANSISTOR MSB709-RT1		R8130	1-208-846-11	METAL CHIP	470K	0.5%	1/10W
Q8127	8-729-010-05	TRANSISTOR MSB709-RT1		R8131	1-216-815-11	RES-CHIP	330	5%	1/10W
Q8128	8-729-010-29			R8132	1-216-815-11		330	5%	1/10W
Q8132	8-729-421-19			R8133	1-216-815-11		330	5%	1/10W
Q8135	8-729-010-29	TRANSISTOR MSD601-RST1		R8136	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q8136	8-729-010-05	TRANSISTOR MSB709-RT1		R8137	1-208-822-11		47K		1/10W
Q8137	8-729-010-29	TRANSISTOR MSD601-RST1		R8138	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q8201	8-729-010-29			R8139	1-208-822-11				1/10W
Q8202		TRANSISTOR MSD601-RST1		R8140	1-216-825-11	RES-CHIP	2.2K		1/10W
Q8455		TRANSISTOR MSD601-RST1		R8143	1-216-825-11		2.2K		1/10W
				•					



REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION	l		REN	MARK
R8145	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R8835	1-260-288-11	CARBON	0.47	5%	1/2W	
R8146	1-208-790-11	METAL CHIP			1/10W	R8842	1-260-328-11	CARBON	1K	5%	1/2W	
R8153	1-216-295-91	SHORT CHIP	0		-,	R8844	1-216-838-11	RES-CHIP	27K	5%	1/10W	
R8160	1-216-295-91	SHORT CHIP	0			R8845	1-216-833-11	RES-CHIP	10K	5%	1/10W	
R8162	1-216-821-11		1K	5%	1/10W	R8865	1-216-829-11	RES-CHIP	4.7K		1/10W	
110101	1 210 021 11	120 0111		30	2/ 2011	1.0000	1 210 027 11	120 0111	2,720	•	1/ 1011	
R8163	1-216-833-11	RES-CHIP	10K	5%	1/10W	R8866	1-216-295-91	SHORT CHIP	0			
R8164	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R8867	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	
R8165	1-208-830-11	METAL CHIP	100K	0.5%	1/10W	R8885	1-208-854-11	METAL CHIP	1M	0.5%	1/10W	
R8168	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R8887	1-216-841-11	RES-CHIP	47K	5%	1/10W	
R8169	1-208-830-11	METAL CHIP	100K	0.5%	1/10W	R8888	1-249-441-11	CARBON	100K	5%	1/4W	
20170	1 016 015 11		222	F 0	4 /4 0==	20005	1 040 440 44		A 45	F 0	4 / 4==	
R8170	1-216-815-11		330	5% 	1/10W	R8895	1-249-443-11	CARBON	0.47		1/4W	
R8171	1-216-825-11		2.2K		1/10W	R8896	1-249-443-11	CARBON	0.47		1/4W	
R8174	1-216-837-11		22K	5%	1/10W	R8898	1-215-493-00	METAL	1M	1%	1/4W	
R8180	1-216-825-11		2.2K	5%	1/10W	R8899	1-215-493-00	METAL	1M	1%	1/4W	
R8181	1-216-295-91	SHORT CHIP	0									
R8182	1-216-841-11	DEC CUID	47K	5%	1/10W		< TRANSFO	RMER >				
			2.2K		1/10W	ш0001	1 427 420 11	MDANCEODMED	DEDDIM	ום /נוסו	π\	
R8183	1-216-825-11					T8801	1-437-430-11				•	
R8188	1-216-829-11		4.7K		1/10W	T8802	1-437-430-11					
R8190	1-216-825-11		2.2K		1/10W	T8806	1-437-614-11	TRANSFORMER,	HORIZO	NTAL (JUTPUT	
R8191	1-215-925-11	METAL OXIDE	22K	5%	3₩	D Boar	d Variant Par	ts KV-28FX6	66			
R8196	1-249-377-11	CARBON	0.47	5%	1/4W				~			
R8197	1-216-841-11		47K	5%	1/10W		< CAPACIT	OR >				
R8209	1-216-295-91	SHORT CHIP	0	•	-/							
R8210	1-216-825-11		2.2K	5%	1/10W	C8106	1-162-964-11	CERAMIC CHIP	0.0010	F	10.00%	50V
R8211	1-216-833-11		10K	5%	1/10W	C8107	NOT FITTED			_		
10222	1 210 055 11	1110 01111		•	1/1011	C8130	1-164-230-11	CERAMIC CHIP	220PF		5.00%	50V
R8212	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	C8814	1-117-641-11	FILM	7500PF		3.00%	
R8217	1-216-833-11		10K	5%	1/10W	C8815	1-117-836-11	FILM	6800PF		3.00%	
R8456	1-216-845-11	RES-CHIP	100K		1/10W	00020	1 117 000 11				0.000	2.00
R8457	1-216-834-11	RES-CHIP	12K	5%	1/10W	C8825	1-117-663-11	FILM	0.22UF		5.00%	250V
R8458	1-216-841-11		47K	5%	1/10W	C8826	1-115-520-11		0.68UF		5.00%	
10430	1 210 041 11	KES CHII	7/10	J 0	1/10#	00020			0.0002		0.000	2007
R8459	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		< RESISTO	R >				
R8800	1-247-895-91	CARBON	470K	5%	1/4W							
R8804	1-249-408-11	CARBON	180	5%	1/4W	R8127	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	
R8805	1-249-408-11	CARBON	180	5%	1/4W	R8141	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	
R8806	1-249-411-11	CARBON	330	5%	1/4W	R8142	1-208-803-11	METAL CHIP	7.5K	0.5%	1/10W	
						R8149	1-216-837-11	RES-CHIP	22K	5%	1/10W	
R8807	1-249-411-11	CARBON	330	5%	1/4W	R8150	1-216-837-11	RES-CHIP	22K	5%	1/10W	
R8808	1-260-340-11	CARBON	10K	5%	1/2W							
R8809	1-260-340-11	CARBON	10K	5%	1/2W	R8154	1-216-830-11	RES-CHIP	5.6K		1/10W	
R8811	1-215-896-00	METAL OXIDE	4.7K	5%	2W	R8155	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	
R8812	1-215-896-00	METAL OXIDE	4.7K	5%	2W	R8158	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	
						R8159	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	
R8813	1-215-895-11	METAL OXIDE	3.3K	5%	2W	R8161	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W	
R8814	1-215-880-00	METAL OXIDE	10	5%	2W							
R8815	1-215-880-00	METAL OXIDE	10	5%	2W	R8175	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	
R8816	1-216-365-00	METAL OXIDE	0.47	5%	2W	R8176	1-216-864-11	SHORT CHIP	0			
R8817	1-216-361-00	METAL OXIDE	0.22		2W	R8177	1-216-830-11	RES-CHIP	5.6K	5%	1/10W	
						R8179	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	
R8818	1-249-405-11	CARBON	100	5%	1/4W	R8186	1-216-826-11	RES-CHIP	2.7K	5%	1/10W	
R8819	1-247-807-31	CARBON	100	5%	1/4W							
R8831	1-260-124-11	CARBON	120K		1/2W	R8189	1-216-823-11	RES-CHIP	1.5K	5%	1/10W	
R8833	1-202-972-61	FUSIBLE	1	5%	1/4W	R8203	1-218-867-11	METAL CHIP			1/10W	
R8834	1-260-288-11	CARBON	0.47		1/2W	R8215	1-208-814-91		22K		1/10W	
	- 7				•							





REF.NO.	PART.NO	DESCRIPTION	l	REMARK				
R8216	1-216-841-11	RES-CHIP	47K	5%	1/10W			
R8810	1-215-896-00	METAL OXIDE	4.7K	5%	2W			
R8897	1-215-485-00	METAL	470K	1%	1/4W			
D Boar	rd Variant Par	te KV-32FY	36					

< CAPACITOR >

C8106	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C8107	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
C8130	NOT FITTED				
C8814	1-117-640-11	FILM	6800PF	3.00%	1.2KV
C8815	1-117-835-11	FILM	6200PF	3.00%	1.5KV
C8825	1-117-662-11	FILM	0.18UF		250V
C8826	1-115-519-11	FILM	0.56UF	5.00%	250V
	< RESISTOR	? >			
R8127	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
R8141	1-208-818-11	METAL CHIP	33K	0.5%	1/10W
R8142	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
R8149	1-216-828-11	RES-CHIP	3.9K	5%	1/10W
R8150	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R8154	1-208-784-11	METAL CHIP	1.2K	0.5%	1/10W
R8155	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R8158	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
R8159	1-216-295-91	SHORT CHIP	0		
R8161	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W
R8175	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R8176	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8177	1-216-829-11	RES-CHIP	4.7K	5 %	1/10W
R8179	1-216-829-91	SHORT CHIP	0	•	1/1011
R8186	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
1.0200		1120 01121	0.01.		-/ 11
R8189	1-216-818-11	RES-CHIP	560	5%	1/10W
R8203	1-216-295-91	SHORT CHIP	0		
R8215	1-208-822-11	METAL CHIP	4.7K	0.5%	1/10W
R8216	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
R8810	1-216-460-11	METAL OXIDE	3.9K	5%	2W
R8886	1-208-834-11	METAL CHIP			1/10W
R8897	1-215-489-00	METAL	680K	1%	1/4W

*A-1300-173-A G Board, Complete

4-382-854-01 SCREW (M3X8), P, SW (+)

< CAPACITOR >

C6001	Δ	1-137-999-11	FILM	0.1UF		275V
C6002	Δ	1-137-999-11	FILM	0.1UF		275V
C6003	Δ	1-119-899-51	CERAMIC	1000PF	10.00%	250V
C6004	Δ	1-119-899-51	CERAMIC	1000PF	10.00%	250V
C6005		1-126-965-91	ELECT	22UF	20.00%	50V
C6006		1-117-753-11	ELECT (BLOCK)	470UF	20.00%	450V

REF.NO.	PART.NO	DESCRIPTION	l	REN	IARK
C6007	1-126-964-11	ELECT	10UF	20.00%	50V
C6008	1-126-963-11	ELECT	4.7UF	20.00%	
C6010	1-136-165-00	FILM	0.1UF	5.00%	50V
C6011	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6012 ∧		CERAMIC	0.0047UF		500V
C6013 △	1-161-830-00	CERAMIC	0.0047UF		500V
C6014	1-113-610-11	ELECT (BLOCK)	220UF	20.00%	250V
C6015	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6016	1-161-830-00	CERAMIC	0.0047UF		500V
C6017	1-161-830-00	CERAMIC	0.0047UF		500V
C6018	1-126-949-11	ELECT	220UF	20.00%	35V
C6020	1-135-946-21	FILM	47000PF	3%	800V
C6021	1-164-645-11	CERAMIC	1000PF	10.00%	500V
C6022	1-126-963-11	ELECT	4.7UF	20.00%	50V
C6023	1-110-626-11	ELECT	330UF	20.00%	160V
C6024	1-164-625-11	CERAMIC	680PF	10.00%	500V
C6025	1-164-625-11	CERAMIC	680PF	10.00%	500V
C6026	1-164-625-11	CERAMIC	680PF	10.00%	500V
C6027	1-164-625-11	CERAMIC	680PF	10.00%	500V
C6028	1-128-548-11	ELECT	4700UF	20.00%	25V
C6029	1-126-939-11	ELECT	10000UF	20.00%	16V
C6030	1-119-940-51	ELECT	4700UF	20.00%	50V
C6031	1-535-143-71	LEAD, JUMPER	(7.5MM)		
C6032 △	1-113-927-11	CERAMIC	0.01UF		250V
C6033	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6034	1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	50V
C6035	1-136-165-00	FILM	0.1UF	5.00%	
C6036		FILM	0.001UF	5.00%	100V
C6037	1-126-947-11		47UF	20.00%	
C6038	1-164-645-11	CERAMIC	1000PF	10.00%	
C6039	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C6040	1-115-340-11	CERAMIC CHIP		10.00%	
C6045	1-115-339-11	CERAMIC CHIP		10.00%	
C6102	1-126-943-11	ELECT	2200UF	20.00%	
C6103	1-126-971-11	ELECT	470UF	20.00%	
C6105	1-126-964-11	ELECT	10UF	20.00%	50V
	4 400 401 41		4.0		
C6106	1-126-964-11	ELECT	10UF	20.00%	50V

< CONNECTOR >

CN6001 △	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P
CN6002 △	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P
CN6003 △	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
CN6004 △	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P
CN6005	*1-564-509-11	PLUG, CONNECTOR 6P
		·
CN6006	*1-564-516-11	PLUG, CONNECTOR 13P
CN6008	*1-564-507-11	PLUG, CONNECTOR 4P
CN6010	*1-564-511-11	PLUG, CONNECTOR 8P
		,

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO		DESCRIPTIO	N		REMARK
	< DIODE >				< T	RANSIS'	TOR >			
2001	C E00 0C7 01	DIODE COIDACOI	/AE	00000	0 700 0	10 00	MD3MGTGMOD M	OD CO1 T	от1	
06001	6-500-067-01	DIODE GSIB460L	/43	Q6003	8-729-01		TRANSISTOR M			
6002	8-719-982-26	DIODE MTZJ-33B	~^^	Q6005	8-729-02		TRANSISTOR D			
6004	8-719-979-64	DIODE UF4005PK		Q6006	6-550-14		TRANSISTOR S			
6006	8-719-081-97	DIODE MMDL914T		Q6007	6-550-14		TRANSISTOR S			152
6007	8-719-081-97	DIODE MMDL914T	1	Q6010	8-729-11	19-78	TRANSISTOR 2	SC2785-	HFE	
6008	8-719-063-70	DIODE D1NL20U		Q6101	8-729-02	29-56	TRANSISTOR D	TA144ES	SA	
6009	8-719-110-41	DIODE RD15ESB2		Q6102	8-729-01	10-29	TRANSISTOR M	SD601-F	RST1	
6010	8-719-085-24	DIODE FBIU4D7M	1-B	Q6103	8-729-02	29-56	TRANSISTOR D	TA144ES	SA.	
06011	8-719-033-12	DIODE S3L40F		Q6104	8-729-03	10-29	TRANSISTOR M	SD601-F	RST1	
6012	8-719-033-12	DIODE S3L40F		Q6105	8-729-01	10-29	TRANSISTOR M	SD601-F	RST1	
06016	8-719-060-88	DIODE D4SBS6			< R	ESISTO	R >			
6031	8-719-080-59	DIODE EK19-VO								
6032	8-719-080-59	DIODE EK19-VO		R6003 △	1-202-93	33-61	FUSIBLE	0.1	10%	1/2W
6033	8-719-022-97	DIODE D2S4MF		R6004 △			CEMENTED	1	5%	10W
6034	8-719-022-97	DIODE D2S4MF		R6005 A			CEMENTED	1	5%	10W
	J J V J I	Jaga Dagam		R6006 A			CEMENTED	1	5%	10W
06101	8-719-081-97	DIODE MMDL914T	1	R6007	1-243-9		METAL OXIDE	0.1	5%	2W
06102	8-719-001-97	DIODE MMDL9141.	•	10007	1-243-9	13.41	WEIGH OVING	0.1	J-0	411
06103	8-719-081-97	DIODE MMDL914T	1	R6008	1-243-97	70 01	METAL OXIDE	0.1	5%	2W
				R6009	1-243-9					
06104	8-719-081-97	DIODE MMDL914T					METAL CHIP	15K		1/10W
6105	8-719-081-97	DIODE MMDL914T	I	R6010	1-215-48		METAL	330K		1/4W
			_	R6013 △			METAL	8.2M	5%	1W
6106 6107	8-719-081-97 8-719-081-97	DIODE MMDL914T		R6014	1-215-92	26-00	METAL OXIDE	33K	5%	3W
				R6015	1-208-75	57-11	METAL CHIP	91	0.5%	1/10W
	< FERRITE	BEAD >		R6016	1-216-82		RES-CHIP	1K	5%	1/10W
	, , , , , , , , , , , , , , , , , , , ,			R6017	1-216-83		RES-CHIP	10K	5%	1/10W
B6001	1-410-397-21	FERRITE	1.1UH	R6018	1-260-13		CARBON	470K		1/2W
B6002	1-410-397-21	FERRITE	1.1UH	R6019	1-260-13		CARBON	390K		1/2W
B6002	1-410-397-21	FERRITE	1.1UH	ROOLS	1 200 1.	50 01	CANDON	JJOIN	J 0	1/211
B6004	1-410-397-21	FERRITE	1.1UH	R6020	1-216-82	20_11	RES-CHIP	820	5%	1/10W
B6004							METAL OXIDE			
D0000	1-333-143-01	LEAD, JUMPER	(S.UMM)	R6021	1-216-30			0.27	5% F°	2W
	4.70			R6022	1-216-83		RES-CHIP	10K	5%	1/10W
	< IC >			R6024	1-216-61		METAL CHIP	33		1/10W
C6001	8-759-670-30	IC MCZ3001D		R6029	1-216-83	33-11	RES-CHIP	10K	5%	1/10W
C6003		IC SE135N-LF4		R6030	1-216-81	17-11	RES-CHIP	470	5%	1/10W
				R6032	1-249-41		CARBON	1K	5%	1/4W
	< COIL >			R6033	1-215-48		METAL	330K		1/4W
	(00111)			R6034	1-249-38		CARBON	4.7	5%	1/4W
6001	1-406-663-21	INDUCTOR	47UH	R6035	1-260-08		CARBON	47	ა 5%	1/4W 1/2W
6002	1-412-527-11	INDUCTOR	15UH	1.0023	1 200-00	· · · · ·	OUTFOR	-11	J 0	±/ 4ff
				DENSE	1,016,01	17_11	DEC_CUIT	470	E o.	1 /1 013
6003	1-412-527-11	INDUCTOR	15UH	R6036	1-216-81		RES-CHIP	470	5% = °	1/10W
6004	1-535-143-61		(5.0MM)	R6037	1-249-40		CARBON	100	5%	1/4W
16005	1-535-143-61	LEAD, JUMPER	(5.0MM)	R6038	1-208-83		METAL CHIP			1/10W
				R6039	1-208-83		METAL CHIP			1/10W
6006	1-406-659-11	INDUCTOR	10UH	R6040	1-208-81	14-91	METAL CHIP	22K	0.5%	1/10W
6007	1-412-525-31	INDUCTOR	10UH							
6008	1-406-670-11	INDUCTOR	680UH	R6042	1-216-29	95-91	SHORT CHIP	0		
				R6045	1-216-63	39-11	METAL CHIP	330	0.5%	1/10W
	< PHOTOCO	UPLER >		R6047	1-208-84	42-11	METAL CHIP	330K	0.5%	1/10W
				R6048	1-215-48		METAL	330K		1/4W
H6001 △	8-749-016-21	IC TCET1103G		R6049	1-208-80		METAL CHIP			1/10W





REF.NO.	PART.NO	DESCRIPTION	V		REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
16054	1-216-615-11	METAL CHIP	33	0.5%		C2001	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
6056	1-216-295-91	SHORT CHIP	0		_,	C2006	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
101	1-216-821-11	RES-CHIP	1K	5%	1/10W	C2007	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
5102	1-216-829-11	RES-CHIP	4.7K		1/10W	C2008	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
5103	1-216-821-11		1K		1/10W	C2009	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
104	1 016 001 11	DEC CUID	117	E 0.	1 /1 014	22010	1 160 064 11	CEDANTO CUID O COLUE	10 000 5077
6104	1-216-821-11	RES-CHIP	1K		1/10W	C2010	1-162-964-11	CERAMIC CHIP 0.001UF CERAMIC CHIP 470PF	10.00% 50V
6105	1-216-821-11	RES-CHIP	1K		1/10W	C2011	1-162-962-11		10.00% 50V
106	1-216-829-11	RES-CHIP	4.7K		1/10W	C2012	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
5107	1-216-829-11		4.7K		1/10W	C2013	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
108	1-216-821-11	RES-CHIP	1K	5%	1/10W	C2014	1-164-346-11	CERAMIC CHIP 1UF	16V
109	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	C2015	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
5110	1-216-821-11	RES-CHIP	1K	5%	1/10W	C2016	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
						C2018	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
	< RELAY :	•				C2019	1-164-346-11	CERAMIC CHIP 1UF	16V
						C2021	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
	1-755-395-11 1-755-389-11	RELAY (AC PO				C2022	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
JV02 /!\	7 1 100 009-11	MEETI (AC PO				C2022	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
	< TRANSFO)RMER >				C2023	1-164-346-11	CERAMIC CHIP 1UF	10.00% 30V 16V
	/ TAMSE	ANTELL /				C2024	1-162-962-11	CERAMIC CHIP 10F	10.00% 50V
002 A	1-437-443-11	(PIT) CONVER	עכע מאַע	NSFORME	īR .	C2027	1-102-902-11	ELECT 47UF	20.00% 35V
	1-424-896-11	TRANSFORMER,				02027	1 120 947 11	ELECT 4701	20.000 334
101 🛆	1-437-483-11	TRANSFORMER,	STANDB	Y		C2028	1-126-947-11	ELECT 47UF	20.00% 35V
						C2029	1-164-346-11	CERAMIC CHIP 1UF	16V
	< THERMIS	STOR >				C2031	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
						C2034	1-164-346-11	CERAMIC CHIP 1UF	16V
6002 🛆	1-804-650-11		POSITIV	E			1-164-346-11 1-164-346-11	CERAMIC CHIP 1UF CERAMIC CHIP 1UF	
*A-13	1-804-650-11 00-358-A A E	THERMISTOR,	olete (I	KV-28		C2034			16V
*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E	THERMISTOR, Board, Comp	olete (I olete (I	KV-28 KV-28	FX66E)	C2034 C2035	1-164-346-11	CERAMIC CHIP 1UF	16V 16V
*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E	THERMISTOR, Board, Comp Board, Comp Board, Comp	olete (l olete (l olete (l	KV-28 KV-28 KV-28	FX66E) FX66U)	C2034 C2035	1-164-346-11 1-162-970-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF	16V 16V 10.00% 25V
*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E	THERMISTOR, 2 Board, Comp Board, Comp Board, Comp Board, Comp	olete (l olete (l olete (l	KV-28 KV-28 KV-28 KV-32	FX66E) FX66U) FX66B)	C2034 C2035 C2038 C2039	1-164-346-11 1-162-970-11 1-162-906-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF	16V 16V 10.00% 25V 0.25PF 50V
*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E	THERMISTOR, 2 Board, Comp Board, Comp Board, Comp Board, Comp	olete (l olete (l olete (l olete (l	KV-28 KV-28 KV-28 KV-32 KV-32	FX66E) FX66U) FX66B)	C2034 C2035 C2038 C2039 C2040	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V
*A-13(*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp	olete (I olete (I olete (I olete (I	KV-28 KV-28 KV-28 KV-32 KV-32 KV-32	FX66E) FX66U) FX66B) FX66E/ FX66K)	C2034 C2035 C2038 C2039 C2040 C2041 C2042	1-164-346-11 1-162-970-11 1-162-906-11 1-162-906-11 1-216-864-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 0.25PF 50V
*A-13(*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-172-A A E	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp	olete (l blete (l blete (l blete (l blete (l	KV-28 KV-28 KV-28 KV-32 KV-32 KV-32 KV-32	FX66E) FX66U) FX66B) FX66E/ FX66K)	C2034 C2035 C2038 C2039 C2040 C2041 C2042	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-906-11 1-216-864-11 1-162-962-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 0.25PF 50V
*A-13(*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-172-A A E	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp	olete (l blete (l blete (l blete (l blete (l	KV-28 KV-28 KV-28 KV-32 KV-32 KV-32 KV-32	FX66E) FX66U) FX66B) FX66E/ FX66K)	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-906-11 1-216-864-11 1-162-962-11 1-163-021-91	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 0.01UF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 0.25PF 50V 10.00% 50V 10.00% 50V
*A-13(*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-172-A A E 00-580-A A E	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp	olete (l blete (l blete (l blete (l blete (l	KV-28 KV-28 KV-28 KV-32 KV-32 KV-32 KV-32	FX66E) FX66U) FX66B) FX66E/ FX66K)	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2044 C2046	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-906-11 1-216-864-11 1-162-962-11 1-163-021-91 1-162-923-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 0.01UF CERAMIC CHIP 47PF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 0.25PF 50V 10.00% 50V 10.00% 50V 5.00% 50V
*A-13(*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-172-A A E	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp	olete (l blete (l blete (l blete (l blete (l	KV-28 KV-28 KV-28 KV-32 KV-32 KV-32 KV-32	FX66E) FX66U) FX66B) FX66E/ FX66K)	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-906-11 1-216-864-11 1-162-962-11 1-163-021-91	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 0.01UF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 0.25PF 50V 10.00% 50V 10.00% 50V
*A-13(*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-172-A A E 00-580-A A E	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp	olete (l blete (l blete (l blete (l blete (l	KV-28 KV-28 KV-28 KV-32 KV-32 KV-32 KV-32	FX66E) FX66U) FX66B) FX66E/ FX66K)	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2046 C2047 C2048	1-164-346-11 1-162-970-11 1-162-906-11 1-162-906-11 1-216-864-11 1-162-962-11 1-163-021-91 1-162-923-11 1-162-927-11 1-126-947-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 0.01UF CERAMIC CHIP 47PF CERAMIC CHIP 47UF ELECT 47UF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 0.25PF 50V 10.00% 50V 10.00% 50V 5.00% 50V 20.00% 35V
*A-13(*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-172-A A E 4-382-854-01 rd Common F	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp	olete (l blete (l blete (l blete (l blete (l	KV-28 KV-28 KV-28 KV-32 KV-32 KV-32 KV-32	FX66E) FX66U) FX66B) FX66E/ FX66K)	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2046 C2047 C2048	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-906-11 1-216-864-11 1-162-962-11 1-163-021-91 1-162-923-11 1-162-927-11 1-162-947-11 1-162-925-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 470PF CERAMIC CHIP 47PF CERAMIC CHIP 47PF CERAMIC CHIP 100PF ELECT 47UF CERAMIC CHIP 68PF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 10.00% 50V 10.00% 50V 5.00% 50V 5.00% 50V 5.00% 50V
*A-13(*A-13(*A-13(*A-13(*A-13(1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-172-A A E 4-382-854-01 rd Common F	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp	olete (l blete (l blete (l blete (l blete (l	KV-28 KV-28 KV-32 KV-32 KV-32 KV-32	FX66E) FX66U) FX66B) FX66E/ FX66K)	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2046 C2047 C2048 C2049 C2050	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-962-11 1-163-021-91 1-162-923-11 1-162-927-11 1-162-927-11 1-162-925-11 1-162-925-11 1-107-823-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 470PF CERAMIC CHIP 47PF CERAMIC CHIP 47PF CERAMIC CHIP 47UF CERAMIC CHIP 100PF ELECT 47UF CERAMIC CHIP 68PF CERAMIC CHIP 0.47UF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 0.25PF 50V 10.00% 50V 10.00% 50V 5.00% 50V 20.00% 35V 5.00% 50V 10.00% 16V
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*A-13(*A)(*A-13(*A-13(*A)(*A-13(*A)(*A-13(*A)(*A-13(*A)(*A-13(*A)(*A-13(*A)(*A-13(*A)(*A)(*A)(*A)(*A)(*A)(*A)(*A)(*A)(*A)	1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-172-A A E 4-382-854-01 rd Common F < CAPACT 1-126-933-11 1-163-021-91 1-163-021-91 1-162-925-11 1-162-925-11 1-162-925-11 1-126-933-11	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Scard, Comp Screw (M3X8) Parts COR > ELECT ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	Diete (in plete	KV-28 KV-28 KV-32 KV-32 KV-32 (+)	FX66E) FX66U) FX66B) FX66E/ FX66K) FX66C) 20.00% 16V 20.00% 50V 20.00% 50V 20.00% 50V 3.00% 50V 4.0.00% 50V	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2046 C2047 C2048 C2049 C2050 C2051 C2052 C2053 C2054 C2055 C2057 C2058 C2059	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-962-11 1-163-021-91 1-162-923-11 1-162-927-11 1-162-927-11 1-162-927-11 1-164-04-11 1-164-04-11 1-164-04-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 0.01UF CERAMIC CHIP 47PF CERAMIC CHIP 47UF CERAMIC CHIP 47UF CERAMIC CHIP 68PF CERAMIC CHIP 0.47UF ELECT 10UF CERAMIC CHIP 0.1UF CERAMIC CHIP 0.022UF ELECT 47UF CERAMIC CHIP 0.0022UF ELECT 47UF CERAMIC CHIP 0.0047UF ELECT 10UF CERAMIC CHIP 0.0047UF ELECT 10UF CERAMIC CHIP 0.1UF	16V 16V 16V 16V 16V 16V 16V 16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 10.00% 50V 5.00% 50V 5.00% 50V 20.00% 35V 10.00% 25V 10.00% 25V 10.00% 25V 20.00% 50V 10.00% 25V 20.00% 50V 20.00% 50V 10.00% 25V 20.00% 50V 10.00% 25V 20.00% 50V 20.00% 50V
*A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130 *A-130	1-804-650-11 00-358-A A E 00-167-A A E 00-579-A A E 00-579-A A E 00-580-A A E 4-382-854-01 rd Common F < CAPACI 1-126-933-11 1-126-964-11 1-163-021-91 1-162-925-11 1-162-925-11 1-162-925-11 1-163-021-91 1-163-021-91 1-163-021-91 1-15-340-11	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Screw (M3X8) Parts COR > ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	Diete (in plete	KV-28 KV-28 KV-32 KV-32 KV-32 (+)	FX66E) FX66U) FX66B) FX66E/ FX66K) FX66K) FX66U) 20.00% 16V 20.00% 50V	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2046 C2047 C2048 C2049 C2050 C2051 C2052 C2053 C2054 C2055 C2057 C2058 C2059 C2060	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-962-11 1-163-021-91 1-162-923-11 1-162-927-11 1-162-927-11 1-162-925-11 1-107-823-11 1-164-004-11 1-164-004-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-126-964-11 1-126-964-11	CERAMIC CHIP 1UF CERAMIC CHIP 0.01UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 0.01UF CERAMIC CHIP 47PF CERAMIC CHIP 47PF CERAMIC CHIP 47UF CERAMIC CHIP 100PF ELECT 47UF CERAMIC CHIP 0.4TUF CERAMIC CHIP 0.1UF CERAMIC CHIP 0.022UF ELECT 47UF CERAMIC CHIP 0.0047UF ELECT 10UF CERAMIC CHIP 0.0047UF ELECT 10UF CERAMIC CHIP 0.1UF ELECT 10UF CERAMIC CHIP 0.1UF CERAMIC CHIP 0.1UF ELECT 10UF	16V
*A-130 *A	1-804-650-11 00-358-A A E 00-167-A A E 00-579-A A E 00-172-A A E 00-580-A A E 4-382-854-01 rd Common F < CAPACT 1-126-933-11 1-163-021-91 1-163-021-91 1-162-925-11 1-162-925-11 1-163-021-91 1-163-021-91	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Scard, Comp Screw (M3X8) Parts COR > ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	Diete (in plete	KV-28 KV-28 KV-32 KV-32 KV-32 (+)	FX66E) FX66U) FX66B) FX66E/ FX66K) FX66U) 20.00% 50V 20.00% 50V 20.00% 50V 20.00% 50V 5.00% 50V 20.00% 50V 20.00% 50V	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2046 C2047 C2048 C2049 C2050 C2051 C2052 C2053 C2054 C2055 C2057 C2058 C2059 C2060 C2061	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-962-11 1-163-021-91 1-162-923-11 1-162-927-11 1-162-927-11 1-162-925-11 1-107-823-11 1-164-04-11 1-164-227-11 1-164-227-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-162-968-11 1-126-964-11 1-162-968-11	CERAMIC CHIP 1UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 0.01UF CERAMIC CHIP 47PF CERAMIC CHIP 47VF CERAMIC CHIP 100PF ELECT 47UF CERAMIC CHIP 0.4TVF ELECT 10UF CERAMIC CHIP 0.1UF CERAMIC CHIP 0.022UF ELECT 47UF CERAMIC CHIP 0.0047UF ELECT 10UF CERAMIC CHIP 0.1UF ELECT 10UF CERAMIC CHIP 0.1UF ELECT 10UF CERAMIC CHIP 0.1UF	16V
*A-136 *A-136 *A-136 *A-136 *A-136 *A-136 A Boa .001 .002 .004 .006 .008 .009 .010 .014 .015 .018 .020 .021	1-804-650-11 00-358-A A E 00-167-A A E 00-579-A A E 00-579-A A E 00-580-A A E 4-382-854-01 rd Common F < CAPACI 1-126-933-11 1-126-964-11 1-163-021-91 1-162-925-11 1-162-925-11 1-162-925-11 1-163-021-91 1-163-021-91 1-163-021-91 1-15-340-11	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Screw (M3X8) Parts COR > ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	Diete (in plete	KV-28 KV-28 KV-32 KV-32 KV-32 (+)	FX66E) FX66U) FX66B) FX66E/ FX66K) FX66K) FX66U) 20.00% 16V 20.00% 50V	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2046 C2047 C2048 C2049 C2050 C2051 C2052 C2053 C2054 C2055 C2057 C2058 C2059 C2060 C2061 C2062	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-962-11 1-163-021-91 1-162-923-11 1-162-927-11 1-162-927-11 1-162-947-11 1-164-04-11 1-164-227-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11	CERAMIC CHIP 1UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 470PF CERAMIC CHIP 47PF CERAMIC CHIP 47UF CERAMIC CHIP 100PF ELECT 47UF CERAMIC CHIP 0.4TUF CERAMIC CHIP 0.1UF CERAMIC CHIP 0.1UF CERAMIC CHIP 0.0022UF ELECT 47UF CERAMIC CHIP 0.0047UF ELECT 10UF CERAMIC CHIP 0.1UF ELECT 10UF CERAMIC CHIP 0.1UF CERAMIC CHIP 0.0047UF CERAMIC CHIP 0.0047UF CERAMIC CHIP 0.0047UF CERAMIC CHIP 0.0047UF CERAMIC CHIP 1UF	16V 16V 10.00% 25V 0.25PF 50V 10.00% 50V 10.00% 50V 10.00% 50V 5.00% 50V 20.00% 35V 5.00% 50V 10.00% 25V 10.00% 25V 10.00% 25V 20.00% 50V 20.00% 50V 20.00% 50V 20.00% 50V 20.00% 50V 20.00% 50V 10.00% 25V
*A-13(*A-13(*A-13(*A-13(*A-13(A Boa	1-804-650-11 00-358-A A E 00-167-A A E 00-601-A A E 00-579-A A E 00-580-A A E 4-382-854-01 rd Common F < CAPACI: 1-126-933-11 1-163-021-91 1-162-925-11 1-162-925-11 1-162-925-11 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-164-004-11	THERMISTOR, Board, Comp Board, Comp Board, Comp Board, Comp Board, Comp Screw (M3X8) Parts COR > ELECT ELECT CERAMIC CHIP CERAMIC CHIP	Diete (in plete	KV-28 KV-28 KV-32 KV-32 KV-32 (+)	FX66E) FX66U) FX66B) FX66E/ FX66K) FX66K) FX66U) 20.00% 16V 20.00% 50V	C2034 C2035 C2038 C2039 C2040 C2041 C2042 C2043 C2044 C2046 C2047 C2048 C2049 C2050 C2051 C2052 C2053 C2054 C2055 C2057 C2058 C2059 C2060 C2061	1-164-346-11 1-162-970-11 1-162-906-11 1-162-964-11 1-162-962-11 1-163-021-91 1-162-923-11 1-162-927-11 1-162-927-11 1-162-925-11 1-107-823-11 1-164-04-11 1-164-227-11 1-164-227-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-164-964-11 1-162-968-11 1-126-964-11 1-162-968-11	CERAMIC CHIP 1UF CERAMIC CHIP 1.5PF CERAMIC CHIP 0.001UF CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 1.5PF SHORT CHIP 0 CERAMIC CHIP 470PF CERAMIC CHIP 0.01UF CERAMIC CHIP 47PF CERAMIC CHIP 47VF CERAMIC CHIP 100PF ELECT 47UF CERAMIC CHIP 0.4TVF ELECT 10UF CERAMIC CHIP 0.1UF CERAMIC CHIP 0.022UF ELECT 47UF CERAMIC CHIP 0.0047UF ELECT 10UF CERAMIC CHIP 0.1UF ELECT 10UF CERAMIC CHIP 0.1UF ELECT 10UF CERAMIC CHIP 0.1UF	16V



REF.NO.	PART.NO	DESCRIPTION	V	REN	MARK	REF.NO.	PART.NO	DESCRIPTIO	V	REN	IARK
C2065	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00%	50V	C3209	1-163-235-11	CERAMIC CHIP	22PF	5.00%	50V
C2066	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00%	50V	C3210	1-126-964-11	ELECT	10UF	20.00%	50V
C2069	1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V	C3211	1-126-964-11	ELECT	10UF	20.00%	50V
C2073	1-126-960-11	ELECT	1UF	20.00%	50V	C3213	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2074	1-126-960-11	ELECT	1UF	20.00%	50V	C3214	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2075	1-126-960-11	ELECT	1UF	20.00%	50V	C3215	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2077	1-126-960-11	ELECT	1UF	20.00%	50V	C3216	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2078	1-126-963-11	ELECT	4.7UF	20.00%	50V	C3217	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2079	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C3218	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2080	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V	C3219	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2081	1-162-928-11	CERAMIC CHIP	120PF	5.00%	50V	C3220	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2082	1-216-864-11	SHORT CHIP	0			C3221	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2083	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V	C3222	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2084	1-162-962-11	CERAMIC CHIP	470PF	10.00%	50V	C3223	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2085	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V	C3224	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2086	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V	C3225	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2087	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V	C3226	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2088	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V	C3227	1-164-222-91	CERAMIC CHIP	0.22UF		25V
C2089	1-162-962-11	CERAMIC CHIP	470PF	10.00%	50V	C3228	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2090	1-126-947-11	ELECT	47UF	20.00%	35V	C3229	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2091	1-126-947-11	ELECT	47UF	20.00%	35V	C3230	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2092	1-126-947-11	ELECT	47UF	20.00%	35V	C3231	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2093	1-126-947-11	ELECT	47UF	20.00%	35V	C3232	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2094	1-126-947-11	ELECT	47UF	20.00%	35V	C3233	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2095	1-126-947-11	ELECT	47UF	20.00%	35V	C3234	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2096	1-162-970-11	CERAMIC CHIP		10.00%		C3235	1-165-176-11	CERAMIC CHIP		10.00%	
C2500	1-126-952-11	ELECT	1000UF	20.00%		C3236	1-165-176-11	CERAMIC CHIP		10.00%	
C2502	1-104-666-11	ELECT	220UF	20.00%	-	C3237	1-165-176-11	CERAMIC CHIP	0.047UF	10.00%	
C2504	1-164-222-91	CERAMIC CHIP			25V	C3238	1-165-176-11	CERAMIC CHIP		10.00%	
C2505	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V	C3239	1-165-176-11	CERAMIC CHIP	0.047UF	10.00%	16V
00506	1 106 070 11	DI DOM	1000	20 000	E 037	02040	1 165 176 11	CEDANTO CUITO	0 04700	10 000	1.60
C2506	1-126-972-11		1000UF	20.00%		C3240	1-165-176-11	CERAMIC CHIP		10.00%	
C2507	1-164-230-11	CERAMIC CHIP		5.00%		C3241	1-126-933-11	ELECT	100UF	20.00%	
C2508	1-164-230-11	CERAMIC CHIP		5.00%		C3242	1-162-970-11	CERAMIC CHIP		10.00%	
C2509	1-164-230-11	CERAMIC CHIP		5.00%		C3243	1-164-222-91	CERAMIC CHIP		E 000	25V
C2510	1-164-227-11	CERAMIC CHIP	0.02201	10.00%	234	C3245	1-163-251-11	CERAMIC CHIP	100Pf	5.00%	201
C2511	1-163-021-91	CERAMIC CHIP	0 01116	10.00%	50V	C3250	1-163-021-91	CERAMIC CHIP	0 01112	10.00%	50V
C2512	1-163-021-91	CERAMIC CHIP		10.00%		C3300	1-163-251-11	CERAMIC CHIP		5.00%	
C2512	1-126-952-11	ELECT	1000UF	20.00%		C3309	1-126-964-11	ELECT	100FF	20.00%	
C2515	1-164-227-11	CERAMIC CHIP		10.00%		C3310	1-164-222-91	CERAMIC CHIP		20.00%	25V
C2516	1-126-953-11	ELECT	2200UF	20.00%		C5103	1-104-222-31	ELECT	1UF	20.00%	
C2310	1-120-933-11	PPFCI	220001	20.00%	334	C3103	1-120-900-11	PTECI	101	20.00%	201
C2517	1-126-960-11	ELECT	1UF	20.00%	50V	C5106	1-126-933-11	ELECT	100UF	20.00%	16V
C2518	1-126-960-11	ELECT	1UF	20.00%	50V	C5109	1-126-964-11	ELECT	10UF	20.00%	50V
C2519	1-126-959-11	ELECT	0.47UF	20.00%		C5110	1-126-947-11	ELECT	47UF	20.00%	
C2521	1-164-489-11	CERAMIC CHIP		10.00%		C5111	1-126-964-11	ELECT	10UF	20.00%	
C2523	1-115-339-11	CERAMIC CHIP		10.00%		C5112	1-126-964-11	ELECT	10UF	20.00%	
C3200	1-126-964-11	ELECT	10UF	20.00%	50V	C5114	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3202	1-104-666-11	ELECT	220UF	20.00%	25V	C5115	1-126-964-11	ELECT	10UF	20.00%	50V
C3203	1-126-964-11	ELECT	10UF	20.00%	50V	C5117	1-126-964-11	ELECT	10UF	20.00%	50V
C3206	1-126-964-11	ELECT	10UF	20.00%	50V	C5118	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3208	1-163-235-11	CERAMIC CHIP	22PF	5.00%	50V	C5119	1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V
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REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C5120	1-165-176-11	CERAMIC CHIP 0.047U		C5889	1-126-964-11	ELECT 10UF	20.00% 50V
C5120	1-165-176-11	CERAMIC CHIP 0.0470		C5890	1-126-964-11	CERAMIC CHIP 0.022UF	10.00% 25V
	1-163-176-11		25V		1-104-227-11		
C5122		CERAMIC CHIP 0.1UF		C5891			5.00% 100V
C5123	1-126-964-11	ELECT 10UF	20.00% 50V	C5892	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5124	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C5893	1-126-947-11	ELECT 47UF	20.00% 35V
C5125	1-126-964-11	ELECT 10UF	20.00% 50V	C5894	1-126-947-11	ELECT 47UF	20.00% 35V
C5300	1-126-933-11	ELECT 100UF	20.00% 16V	C5895	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5301	1-126-947-11	ELECT 47UF	20.00% 35V	C5896	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C5302	1-164-222-91	CERAMIC CHIP 0.22U	? 25V	C5897	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5303	1-136-153-00	FILM 0.01UE	5.00% 50V	C5898	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5304	1-164-182-11	CERAMIC CHIP 0.0033	BUF 10.00% 50V	C5899	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C5305	1-165-176-11	CERAMIC CHIP 0.0470	JF 10.00% 16V	C6200	1-126-933-11	ELECT 100UF	20.00% 16V
C5306	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6201	1-126-935-11	ELECT 470UF	20.00% 16V
C5307	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6202	1-126-933-11	ELECT 100UF	20.00% 16V
C5309	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C6203	1-126-935-11	ELECT 470UF	20.00% 16V
C5310	1-136-165-00	FILM 0.1UF	5.00% 50V	C6204	1-126-933-11	ELECT 100UF	20.00% 16V
C5310	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6204	1-126-935-11	ELECT 470UF	20.00% 16V
C5312	1-165-176-11	CERAMIC CHIP 0.0470		C6206	1-126-933-11	ELECT 100UF	20.00% 16V
C5313	1-107-714-11	ELECT 10UF	20.00% 50V	C6207	1-126-933-11	ELECT 100UF	20.00% 16V
C5314	1-162-970-11	CERAMIC CHIP 0.01U	F 10.00% 25V	C6208	1-126-933-11	ELECT 100UF	20.00% 16V
C5316	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C6209	1-126-933-11	ELECT 100UF	20.00% 16V
C5318	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6210	1-126-935-11	ELECT 470UF	20.00% 16V
C5319	1-136-347-11	FILM 0.0047		C6211	1-126-947-11	ELECT 47UF	20.00% 35V
C5320	1-129-716-00	FILM 0.0150		C6212	1-126-933-11	ELECT 100UF	20.00% 16V
C5321	1-136-347-11	FILM 0.0047		C6213	1-126-933-11	ELECT 100UF	20.00% 16V
C5322	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6214	1-126-933-11	ELECT 100UF	20.00% 16V
C5323	1-136-159-00	FILM 0.0330	JF 5.00% 50V	C7002	1-126-947-11	ELECT 47UF	20.00% 35V
C5400	1-126-964-11	ELECT 10UF	20.00% 50V	C7004	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C5401	1-107-714-11	ELECT 10UF	20.00% 50V	C7008	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C5403	1-128-527-11	ELECT 330UF	20.00% 25V	C7016	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C5404	1-102-228-00	CERAMIC 470PF	10.00% 500V	C7018	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5405	1-163-021-91	CERAMIC CHIP 0.01UE		C7019	1-164-004-11	CERAMIC CHIP 0.10F	10.00% 25V
C5405	1-129-702-00	MYLAR 0.0010		C7019	1-164-004-11	CERAMIC CHIP 0.10F	
						CERAMIC CHIP 0.10F	10.00% 25V
C5407	1-128-527-11	ELECT 330UF	20.00% 25V	C7021	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5409	1-126-968-11	ELECT 100UF	20.00% 50V	C7022	1-164-004-11	CERAMIC CHIP U.IUF	10.00% 25V
C5410	1-163-021-91	CERAMIC CHIP 0.01UE	F 10.00% 50V	C7023	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5411	1-137-401-11	MYLAR 0.22U		C7030	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5412	1-106-220-00	MYLAR 0.1UF	10.00% 100V	C7031	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5413	1-130-785-11	MYLAR 0.47U		C7032	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5414	1-126-964-11	ELECT 10UF	20.00% 50V	C7038	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
00111	1 120 701 11	1001	20.000 301	07030	1 107 023 11	omenic only 0,4701	20.000 200
C5801	1-126-963-11	ELECT 4.7UF	20.00% 50V	C7039	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C5850	1-126-963-11	ELECT 4.7UF	20.00% 50V	C7050	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C5851	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C7051	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5854	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C7052	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5858	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C7053	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5859	1-126-960-11	ELECT 1UF	20.00% 50V	C7054	1-126-963-11	ELECT 4.7UF	20.00% 50V
C5860	1-165-176-11	CERAMIC CHIP 0.0470		C7055	1-164-222-91	CERAMIC CHIP 0.22UF	25.00° 50V
C5868	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C7056	1-126-933-11	ELECT 100UF	20.00% 16V
C5873	1-163-251-11	CERAMIC CHIP 0.10F	5.00% 50V	C7057	1-164-222-91	CERAMIC CHIP 0.22UF	25.00% 10V 25V
C5888	1-163-251-11	CERAMIC CHIP 100FF	25V	C7057	1-104-222-91		20.00% 16V
C3000	T TO#-TOO_TT	CENTRAL CRIP V.10F	234	07030	1 120-333-11	EDECI IUUUI	20.00% TUV



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
C7059	1-126-933-11	ELECT 100UF	20.00% 16V	D3001	8-719-929-15	DIODE HZS9.1N	IB2		
C7060	1-164-222-91	CERAMIC CHIP 0.22UF	25V	D3003		DIODE HZS9.1N			
C7061		CERAMIC CHIP 0.1UF	10.00% 25V	D3005		DIODE HZS9.1N			
C7062		CERAMIC CHIP 0.1UF	10.00% 25V	D3007		DIODE RD5.6ES			
C7063		CERAMIC CHIP 0.1UF	10.00% 25V	D3008		DIODE RD5.6ES			
0,000		02122120 01121 01120	20.000	25000	0 713 103 03	D1000 100,000			
C7064	1-126-947-11	ELECT 47UF	20.00% 35V	D3009	8-719-929-15	DIODE HZS9.1N	IB2		
C7065	1-164-222-91	CERAMIC CHIP 0.22UF	25V	D3011	8-719-929-15	DIODE HZS9.1N	IB2		
C7067	1-126-947-11	ELECT 47UF	20.00% 35V	D3013	8-719-929-15	DIODE HZS9.1N	IB2		
C7068	1-164-222-91	CERAMIC CHIP 0.22UF	25V	D3015	8-719-929-15	DIODE HZS9.1N	IB2		
C7069	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V	D3017	8-719-109-89	DIODE RD5.6ES	B2		
C7070	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V	D3018	9_710_100_80	DIODE RD5.6ES	:R2		
C7071		CERAMIC CHIP 22PF	5.00% 50V	D3018		DIODE HZS9.1N			
07071	1 102 313 11	OMMENIO ONII LEII	3.000 301	D3019		DIODE HZS9.1N			
	< CONNECT	ror >		D3021		DIODE RD5.6ES			
	COMME	ION >							
CN0101	1-823-330-11	CONNECTOR, BOARD TO	ROARD 40P	D3024	0-113-323-13	DIODE HZS9.1N	IDZ		
CN0101		PLUG, CONNECTOR 5P	PAINT IVE	D3026	0_710_020 15	DIODE HZS9.1N	מם		
CN0102 CN0103		PLUG, CONNECTOR 4P		D3026 D3028		DIODE HZS9.1N DIODE HZS9.1N			
CN0103		CONNECTOR (SQUARE TYPE	√π\ 21Þ	D3028 D3201		DIODE HZS9.IN DIODE RD5.6ES			
CN1000		CONNECTOR, DUAL SCART	·	D3201 D5101		DIODE MIMA152			
CNIOOI	1-700-290-21	CONNECTOR, DURI SCARI							
CN2000	*1-564-512-11	PLUG, CONNECTOR 9P		D5103	8-719-110-86	DIODE RD39ESB	5		
CN2500		PLUG, CONNECTOR 3P		D5104	9_710_100_90	DIODE RD5.6ES	יםי		
CN2501		PLUG, CONNECTOR 4P		D5104 D5300		DIODE MMDL914			
CN2502		PLUG, CONNECTOR 6P		D5300		DIODE MMDL914			
CN2502		PLUG, CONNECTOR 7P		D5303		DIODE MMDL914			
CNSUUZ	1 304 310 11	FEOG, COMMECTOR /F		D5304 D5305		DIODE MMDL914			
CN5100	*1-564-506-11	PLUG, CONNECTOR 3P		טטטע	0-719-991-33	DIODE 1991931	/ /		
CN5801		PLUG, CONNECTOR 10P		D5306	8-719-302-43	חזרות פוזס			
CN5802		PLUG (MICRO CONNECTOR	\ 10p	D5300		DIODE ERA85-0	100		
CN6200		PLUG, CONNECTOR 4P	., 101	D5307		DIODE MMDL914			
CN6202		PLUG, CONNECTOR 13P		D5309		DIODE MMDL914			
0110202	1 301 310 11	1200) COMMEDIUM 131		D5400		DIODE MTZJ-3.			
CN6203	1-695-915-11	TAB (CONTACT)		D3400	0-719-902-03	DIODE MIZO-5.	UA.		
CN7000		PLUG, CONNECTOR 5P		D5401	8-719-050-38	DIODE M1MA152	WK-T1		
CN7001		PLUG, CONNECTOR 9P		D5404		DIODE RD15ESB			
CN8001		PIN, CONNECTOR (PC BC	ARD) 8P	D5405	8-719-908-03		,_		
	00 -0	11, 00		D5406		DIODE MMDL914	lπ1		
	< DIODE >	>		D5407		DIODE MMDL914			
	, 52452 ,			55407	0 713 001 37	DIODE REDESIT			
D0101	8-719-921-88	DIODE MTZJ-13B		D5804	8-719-109-89	DIODE RD5.6ES	B2		
D0104	8-719-109-89	DIODE RD5.6ESB2		D5807		DIODE HZS9.1N			
D0110	8-719-109-89	DIODE RD5.6ESB2		D5809	8-719-050-38	DIODE M1MA152	WK-T1		
D0111	8-719-929-15	DIODE HZS9.1NB2		D5811	8-719-081-97	DIODE MMDL914	T1		
D0112	8-719-921-88	DIODE MTZJ-13B		D5812	8-719-081-97	DIODE MMDL914	T1		
D0113	8-719-921-88	DIODE MTZJ-13B		D5813	8-719-081-97	DIODE MMDL914	T1		
D1006		DIODE RD5.6ESB2		D5814	1-216-295-91		0		
D2014		DIODE HZS9.1NB2		D6200		DIODE D1NL20U			
D2015		DIODE HZS9.1NB2		D7004		DIODE HZS9.1N			
D2016		DIODE M1MA152WK-T1		D7006	1-216-809-11		100	5%	1/10W
D2018	8-719-929-15	DIODE HZS9.1NB2			< FERRITE	READ >			
D2019		DIODE HZS9.1NB2			· FERRITE	. 2000 /			
D2500		DIODE M1MA152WK-T1		FB3001	1-414-760-21	FERRITE	OUH		
D2502		DIODE RD5.6ESB2		103001	1-414-100-51	LEUVITE	VUI		
D2502		DIODE M1MA152WK-T1							
DE303	0 113 030-30	PIONE HIRMINGHU-II							

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
	< FILTER	>		L3008	1-216-295-91	SHORT CHIP	0
				L3009	1-216-295-91	SHORT CHIP	0
FL2000	1-239-803-11	FILTER, EMI		L3010	1-216-295-91	SHORT CHIP	0
		,		L3011	1-216-295-91		0
	< IC >			L3012	1-216-295-91		0
						V	•
C2000	6-701-031-01	IC MSP3411G-QA-B10		L3200	1-412-006-31	INDUCTOR	10UH
C2001	8-759-100-96	IC UPC4558G2		L3202	1-412-006-31	INDUCTOR	10UH
IC2500	8-759-831-56	IC TDA7497		L3203	1-412-006-31	INDUCTOR	10UH
C3200		IC VSP9407B-B11-GEG		L3206	1-412-006-31		10UH
IC5102	8-759-325-48			L3208	1-412-006-31		10UH
C5103		IC CXA1875AM-T4		L3300	1-412-006-31		10UH
IC5104		IC LA6500-FA		L5300	1-406-989-21		10MH
IC5300	8-759-008-70	IC LM358N		L5301	1-406-989-21	INDUCTOR	10MH
IC5301	8-759-659-67	IC LA6393DLL		L5400	1-412-524-11	INDUCTOR	8.2UH
IC5302	8-759-659-67	IC LA6393DLL		L5896	1-216-864-11	SHORT CHIP	0
TOE 400	0 750 606 71	TO CM1/02703		T E 0 0 7	1 016 064 11	CHODE CHTD	0
IC5400	8-759-696-71			L5897	1-216-864-11		0
IC6200		IC L7809CV/LSY		15898		INDUCTOR	10UH
C6201		IC L7805CV/LSY		L5899		INDUCTOR	10UH
IC6202	8-759-445-59			L7001	1-414-934-21		10UH
IC6203	8-759-098-24	IC PQ30RV11		L7009	1-414-934-21	INDUCTOR	10UH
IC6204	8-750-501-02	IC L78L33ABZ-AP		L7010	1-414-934-21	דאחזורייי∩ס	10UH
IC6205	8-759-394-35			L7011			10UH
IC6205		IC LM78L05ACZ		L7011	1-414-934-21		100H
IC6206 IC7002		IC LM/8LUSACZ IC CXA2100AQ-TL		11017	1-414-934-21	TWDOCTOK	1000
101002	0 134-030-00	TO CUBETOOMS IT			< PROTECT	OR MODULE >	
	< SOCKET	>				· · · · · · · · · · · · · · · · · · ·	
				PS2501 △	1-533-597-31	LINK, IC	5A
J2000	1-784-632-11	JACK, PIN 2P					
	< COIL >				< TRANSIS	STOR >	
	< COIL >			Q1000	8-729-010-05	TRANSISTOR MS	R709-RT1
L1000	1-412-987-31	INDUCTOR 4.7UH		Q1001	8-729-010-29	TRANSISTOR MS	
	1-412-987-31			_	8-729-010-25	TRANSISTOR MS	
L1001				Q1004			
L1002	1-414-934-21	INDUCTOR 10UH		Q1005	8-729-421-19	TRANSISTOR UN	
L1003 L1005	1-414-934-21 1-414-934-21	INDUCTOR 10UH INDUCTOR 10UH		Q1006	8-729-010-05	TRANSISTOR MS	B/UY-KTI
11000	1-414-234-51	TWDOCTOK TOOU		Q2000	8-729-010-29	TRANSISTOR MS	D601-RST1
2000	1-414-934-21	INDUCTOR 10UH		Q2000	8-729-010-29	TRANSISTOR MS	
L2001	1-414-934-21	INDUCTOR 100H		Q2001 Q2002	8-729-010-29	TRANSISTOR MS	
L2007	1-535-143-61	LEAD, JUMPER (5.0MM)		Q2002 Q2003	8-729-010-29	TRANSISTOR MS	
L2007	1-216-295-91	SHORT CHIP 0		Q2003 Q2004	8-729-010-29	TRANSISTOR MS	
L2008 L2009	1-216-295-91	SHORT CHIP 0		22004	0-125-010-29	TUNNSTSTOK MS	DOAT_VOIT
		VIIII V		Q2005	8-729-010-29	TRANSISTOR MS	D601-RST1
L2010	1-414-928-21	INDUCTOR 1UH		Q2501	8-729-010-29	TRANSISTOR MS	
L2012	1-414-934-21	INDUCTOR 10UH		Q2502	8-729-010-29	TRANSISTOR MS	
L2014	1-408-602-31	INDUCTOR 8.2UH		Q2503	8-729-010-29	TRANSISTOR MS	
L2500	1-535-143-61	LEAD, JUMPER (5.0MM)		Q2504	8-729-010-05	TRANSISTOR MS	
L2501	1-535-143-61			2=30-3	J .= J V4V VJ	VIVIVIII	
		,		Q3200	8-729-010-29	TRANSISTOR MS	D601-RST1
		SHORT CHIP 0		Q3201	8-729-010-29	TRANSISTOR MS	D601-RST1
L3000	1-216-295-91						
				03202	8-729-010-05	TRANSISTOR MS	B709-RT1
3004	1-216-295-91	SHORT CHIP 0		Q3202 Q3204	8-729-010-05 8-729-010-05	TRANSISTOR MS	
L3004 L3005	1-216-295-91 1-216-295-91	SHORT CHIP 0 SHORT CHIP 0		Q3204	8-729-010-05	TRANSISTOR MS	B709-RT1
L3000 L3004 L3005 L3006 L3007	1-216-295-91	SHORT CHIP 0		_			B709-RT1



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
Q3302	8-729-010-05	TRANSISTOR MSB709-RT1		R1004	1-216-809-11	RES-CHIP	100	5%	1/10W
Q3500	8-729-028-28	TRANSISTOR 2SK2036 (TE85	L)	R1005	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q3501	8-729-028-28	TRANSISTOR 2SK2036 (TE85		R1006	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
Q5100	8-729-010-05	TRANSISTOR MSB709-RT1	,	R1007	1-412-987-31	INDUCTOR	4.7UH		,
Q5101	8-729-010-29	TRANSISTOR MSD601-RST1		R1008	1-216-295-91	SHORT CHIP	0		
2							•		
Q5300	8-729-010-29	TRANSISTOR MSD601-RST1		R1009	1-216-295-91	SHORT CHIP	0		
Q5301	8-729-053-33	TRANSISTOR IRF614-037		R1010	1-216-295-91	SHORT CHIP	0		
Q5302	8-729-140-97	TRANSISTOR 2SB734-34		R1017	1-216-822-11	RES-CHIP	1.2K	5%	1/10W
Q5303	8-729-010-29	TRANSISTOR MSD601-RST1		R1019	1-216-295-91	SHORT CHIP	0		,
Q5304	8-729-010-29	TRANSISTOR MSD601-RST1		R1021	1-216-833-11	RES-CHIP	10K	5%	1/10W
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Q5305	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1022	1-216-839-11	RES-CHIP	33K	5%	1/10W
Q5306	8-729-140-97	TRANSISTOR 2SB734-34		R1023	1-216-849-11	RES-CHIP	220K	5%	1/10W
Q5307	8-729-010-05	TRANSISTOR MSB709-RT1		R1024	1-216-839-11	RES-CHIP	33K	5%	1/10W
Q5400	8-729-010-29	TRANSISTOR MSD601-RST1		R1025	1-216-837-11	RES-CHIP	22K	5%	1/10W
Q5401	8-729-421-19	TRANSISTOR UN2213		R1026	1-216-817-11	RES-CHIP	470	5%	1/10W
Q5402	8-729-010-05	TRANSISTOR MSB709-RT1		R2009	1-216-817-11	RES-CHIP	470	5%	1/10W
Q5403	8-729-421-19	TRANSISTOR UN2213		R2010	1-216-817-11	RES-CHIP	470	5%	1/10W
Q5404	8-729-926-76	TRANSISTOR IRF620		R2011	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q5813	8-729-421-19	TRANSISTOR UN2213		R2014	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q5814	8-729-010-05	TRANSISTOR MSB709-RT1		R2015	1-216-295-91	SHORT CHIP	0		
Q5815	8-729-010-29	TRANSISTOR MSD601-RST1		R2017	1-216-853-11	RES-CHIP	470K	5%	1/10W
Q5816	8-729-010-05	TRANSISTOR MSB709-RT1		R2018	1-216-295-91	SHORT CHIP	0		
Q6201	8-729-140-97	TRANSISTOR 2SB734-34		R2020	1-216-853-11	RES-CHIP	470K	5%	1/10W
Q7003	8-729-010-29	TRANSISTOR MSD601-RST1		R2023	1-216-853-11	RES-CHIP	470K	5%	1/10W
Q7009	8-729-010-05	TRANSISTOR MSB709-RT1		R2026	1-216-853-11	RES-CHIP	470K	5%	1/10W
Q7011	8-729-010-05	TRANSISTOR MSB709-RT1		R2029	1-216-853-11	RES-CHIP	470K		1/10W
Q7012	8-729-010-05	TRANSISTOR MSB709-RT1		R2032	1-216-853-11	RES-CHIP	470K	5%	1/10W
Q7013	8-729-010-29	TRANSISTOR MSD601-RST1		R2035	1-216-853-11	RES-CHIP	470K		1/10W
Q7014	8-729-010-05	TRANSISTOR MSB709-RT1		R2038	1-216-853-11	RES-CHIP	470K		1/10W
Q7015	8-729-010-05	TRANSISTOR MSB709-RT1		R2041	1-216-853-11	RES-CHIP	470K	5%	1/10W
									4.44
Q7016	8-729-010-29	TRANSISTOR MSD601-RST1		R2042	1-216-829-11		4.7K		1/10W
Q7017	8-729-010-05	TRANSISTOR MSB709-RT1		R2043	1-216-829-11		4.7K		1/10W
Q7018	8-729-010-05	TRANSISTOR MSB709-RT1		R2044	1-216-853-11		470K		1/10W
Q7019	8-729-010-29	TRANSISTOR MSD601-RST1		R2047	1-216-853-11		470K		1/10W
	4 222200	NP .		R2048	1-216-837-11	RES-CHIP	22K	5%	1/10W
	< RESISTO	JK >		DOUEN	1_014 045 11	סקפ_פוודס	1000	E0	1 /1 0ជ
JR121	1_214_064 11	SHORT CHIP 0		R2050 R2051	1-216-845-11		100K	ວ∜ 5%	1/10W 1/10W
	1-216-864-11			1	1-216-049-11		1K		
JR123	1-216-864-11	SHORT CHIP 0 SHORT CHIP 0		R2052 R2053	1-216-837-11		22K	5%	1/10W
JR2000	1-216-295-91	SHORT CHIP 0		1	1-216-864-11		0	E 0.	1 /1 014
R0101	1-216-833-11	DEC CUID 10V EQ	1/10W	R2054	1-216-049-11	RES-CHIP	1K	5%	1/10W
R0101	1-216-827-11		1/10W	R2055	1_216_040_11	RES-CHIP	117	E Q	1/10W
R0102 R0103				R2056	1-216-049-11 1-216-037-00		1K 330	5% 5%	1/10W 1/10W
R0103 R0104	1-216-073-91		1/10W	R2056 R2057			100	ວ∜ 5%	1/10W 1/10W
	1-216-827-11		1/10W	R2057 R2058	1-216-025-11		100	ეგ 5%	1/10W 1/10W
R0105	1-216-025-11	νπ9_CUIL 100 3g	1/10W	R2058 R2059	1-216-025-11 1-216-829-11		100 4.7K		1/10W 1/10W
R0107	1-216-025-11	RES-CHIP 100 5%	1/10W	1/2/033	1 210-023-11	VED CUIL	7./A	J-0	1/ 1VII
R1000	1-216-025-11	RES-CHIP 1K 5%	1/10W	R2060	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R1000	1-216-001-00	RES-CHIP 10 5%	1/10W	R2061	1-216-829-11		4.7K		1/10W
R1001 R1002	1-216-821-11		1/10W	R2062	1-216-829-11	RES-CHIP	4.7K		1/10W
R1002 R1003	1-216-821-11		1/10W	R2062	1-216-829-11		4.7K		1/10W
VT002	1 710-003-11	NEO CHIE 100 36	1/ 1011	R2063	1-249-425-11		4.7K		1/10W 1/4W
				1/2004	T 743-473-11	CUIVDOM	7./A	J-0	±/ 3H



REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
R2065	1-216-837-11	RES-CHIP	22K	5%	1/10W	R2921	1-216-295-91	SHORT CHIP	0		
R2066	1-216-829-11	RES-CHIP	4.7K		1/10W	R2924	1-216-295-91	SHORT CHIP	0		
R2067	1-216-829-11	RES-CHIP			1/10W	R2927	1-216-295-91	SHORT CHIP	0		
R2068	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2930	1-216-295-91	SHORT CHIP	0		
R2069	1-216-837-11	RES-CHIP	22K	5%	1/10W	R2933	1-216-295-91	SHORT CHIP	0		
NZ 0 0 3	1 210 057 11	NES CHII	2211	J 0	1/10#	1/2333	1 210 293 91	SHORT CHIL	v		
R2070	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2936	1-216-295-91	SHORT CHIP	0		
R2071	1-216-839-11	RES-CHIP	33K	5%	1/10W	R2939	1-216-295-91	SHORT CHIP	0		
R2072	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2942	1-216-295-91	SHORT CHIP	0		
R2073	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2945	1-216-295-91	SHORT CHIP	0		
R2074	1-216-837-11	RES-CHIP	22K	5%	1/10W	R3000	1-216-025-11	RES-CHIP	100	5%	1/10W
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R2075	1-216-833-11	RES-CHIP	10K	5%	1/10W	R3001	1-216-022-00	RES-CHIP	75	5%	1/10W
R2076	1-216-839-11	RES-CHIP	33K	5%	1/10W	R3009	1-216-025-11	RES-CHIP	100	5%	1/10W
R2077	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3010	1-216-022-00	RES-CHIP	75	5%	1/10W
R2078	1-216-025-11	RES-CHIP	100	5%	1/10W	R3011	1-216-025-11	RES-CHIP	100	5%	1/10W
R2079	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3012	1-216-022-00	RES-CHIP	75	5%	1/10W
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R2080	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R3013	1-216-025-11	RES-CHIP	100	5%	1/10W
R2081	1-216-833-11	RES-CHIP	10K	5%	1/10W	R3014	1-216-022-00	RES-CHIP	75	5%	1/10W
R2082	1-216-805-11	RES-CHIP	47	5%	1/10W	R3015	1-216-022-00	RES-CHIP	75	5%	1/10W
R2083	1-216-817-11	RES-CHIP	470	5%	1/10W	R3016	1-216-025-11	RES-CHIP	100	5%	1/10W
R2084	1-216-837-11	RES-CHIP	22K	5%	1/10W	R3017	1-216-022-00	RES-CHIP	75	5%	1/10W
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R2085	1-216-837-11	RES-CHIP	22K	5%	1/10W	R3018	1-216-025-11	RES-CHIP	100	5%	1/10W
R2086	1-216-837-11	RES-CHIP	22K	5%	1/10W	R3019	1-216-022-00	RES-CHIP	75	5%	1/10W
R2087	1-216-837-11	RES-CHIP	22K	5%	1/10W	R3020	1-216-025-11	RES-CHIP	100	5%	1/10W
R2088	1-216-041-00	RES-CHIP	470	5%	1/10W	R3021	1-216-022-00	RES-CHIP	75	5%	1/10W
R2089	1-216-041-00	RES-CHIP	470	5%	1/10W	R3022	1-216-025-11	RES-CHIP	100	5%	1/10W
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R2092	1-216-039-00	RES-CHIP	390	5%	1/10W	R3023	1-216-022-00	RES-CHIP	75	5%	1/10W
R2093	1-216-039-00	RES-CHIP	390	5%	1/10W	R3024	1-216-025-11	RES-CHIP	100	5%	1/10W
R2094	1-216-039-00	RES-CHIP	390	5%	1/10W	R3025	1-216-022-00	RES-CHIP	75	5%	1/10W
R2095	1-216-039-00	RES-CHIP	390	5%	1/10W	R3026	1-216-022-00	RES-CHIP	75	5%	1/10W
R2096	1-216-039-00	RES-CHIP	390	5%	1/10W	R3027	1-216-025-11	RES-CHIP	100	5%	1/10W
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R2097	1-216-039-00	RES-CHIP	390	5%	1/10W	R3028	1-216-022-00	RES-CHIP	75	5%	1/10W
R2098	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3029	1-216-045-00	RES-CHIP	680	5%	1/10W
R2099	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3030	1-216-022-00	RES-CHIP	75	5%	1/10W
R2500	1-216-073-91	RES-CHIP	10K	5%	1/10W	R3031	1-216-022-00	RES-CHIP	75	5%	1/10W
R2501	1-216-341-11	METAL OXIDE	0.22	5%	1W	R3032	1-216-022-00	RES-CHIP	75	5%	1/10W
R2502	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	R3033	1-216-025-11	RES-CHIP	100	5%	1/10W
R2503	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	R3034	1-216-022-00	RES-CHIP	75	5%	1/10W
R2504	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3035	1-216-025-11	RES-CHIP	100	5%	1/10W
R2507	1-216-837-11	RES-CHIP	22K	5%	1/10W	R3036	1-216-022-00	RES-CHIP	75	5%	1/10W
R2509	1-249-417-11	CARBON	1K	5%	1/4W	R3037	1-216-045-00	RES-CHIP	680	5%	1/10W
R2511	1-216-073-91		10K	5%	1/10W	R3218	1-216-821-11		1K	5%	1/10W
R2516	1-216-081-00	RES-CHIP	22K	5%	1/10W	R3219	1-216-821-11		1K	5%	1/10W
R2517	1-216-841-11	RES-CHIP	47K	5%	1/10W	R3220	1-216-837-11	RES-CHIP	22K	5%	1/10W
R2518	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3221	1-216-837-11	RES-CHIP	22K	5%	1/10W
R2519	1-216-833-11	RES-CHIP	10K	5%	1/10W	R3222	1-216-837-11	RES-CHIP	22K	5%	1/10W
DOEON	1 016 005 11	DEC CUIT	100	E 0.	1 /1 014	Dagge	1 016 007 11	DEC CUIT	2012	E 0.	1 /1 014
R2520	1-216-025-11		100	5% = 0.	1/10W	R3223	1-216-837-11		22K	5% = 0.	1/10W
R2524	1-216-833-11	RES-CHIP	10K	5 %	1/10W	R3225	1-216-025-11	RES-CHIP	100	5% 5°	1/10W
R2525	1-216-828-11	RES-CHIP	3.9K	5 %	1/10W	R3226	1-216-025-11	RES-CHIP	100	5% = °	1/10W
R2912	1-216-295-91		0		4 /4 000	R3229	1-216-025-11		100	5% - °	1/10W
R2914	1-216-853-11	RES-CHIP	470K	5%	1/10W	R3233	1-216-821-11	RES-CHIP	1K	5%	1/10W



REF.NO.	PART.NO	DESCRIPTION	l		REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
R3234	1-216-821-11	RES-CHIP	1K	5%	1/10W	R5157	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R3235	1-216-822-11	RES-CHIP		5%	1/10W	R5300	1-208-806-11	METAL CHIP	10K		1/10W
R3236	1-216-822-11	RES-CHIP	1.2K		1/10W	R5301	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R3237	1-216-797-11	RES-CHIP	10	5% 5%	1/10W	R5301	1-208-806-11	METAL CHIP	10K		1/10W
R3238	1-216-797-11	RES-CHIP	10	5%	1/10W	R5303	1-208-824-11	METAL CHIP	56K	0.5%	1/10W
R3305	1-216-025-11	RES-CHIP	100	5%	1/10W	R5304	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R3306	1-216-025-11	RES-CHIP	100	5%	1/10W	R5305	1-208-852-11	METAL CHIP	820K	0.5%	1/10W
R3312	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R5306	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
R3313	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R5307	1-216-041-00	RES-CHIP	470	5%	1/10W
R3314	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R5308	1-216-295-91	SHORT CHIP	0		
D2210	1 016 005 11	DEC CUID	100	E 0.	1 /1 017	DE200	1 000 004 11	MEMAI CUID	E CV	Λ Ε0.	1 /1 017
R3318	1-216-025-11	RES-CHIP	100	5% F°	1/10W	R5309	1-208-824-11	METAL CHIP	56K		1/10W
R3319	1-216-025-11	RES-CHIP	100	5 %	1/10W	R5310	1-208-830-11	METAL CHIP	100K		1/10W
R3320	1-216-025-11	RES-CHIP	100	5%	1/10W	R5311	1-216-045-00	RES-CHIP	680	5%	1/10W
R3403	1-216-821-11	RES-CHIP	1K	5%	1/10W	R5312	1-208-832-11	METAL CHIP	120K		1/10W
R3500	1-216-834-11	RES-CHIP	12K	5%	1/10W	R5314	1-208-840-11	METAL CHIP	270K	0.5%	1/10W
R3501	1-216-834-11	RES-CHIP	12K	5%	1/10W	R5315	1-216-043-91	RES-CHIP	560	5%	1/10W
R3504	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R5316	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R3505	1-216-825-11	RES-CHIP	2.2K		1/10W	R5317	1-216-845-11	RES-CHIP	100K	5%	1/10W
R3603	1-216-295-91	SHORT CHIP	0		, .	R5318	1-208-806-11	METAL CHIP	10K		1/10W
R5102	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R5319	1-208-840-11	METAL CHIP	270K		1/10W
NOIVE	1 200 014 71	MIAI (IIII	2211	0.50	1/1011	10313	1 200 040 11	MINI CIII	27011	0.50	1/104
R5103	1-216-637-11	METAL CHIP	270	0.5%	1/10W	R5320	1-216-833-11	RES-CHIP	10K	5%	1/10W
R5107	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R5321	1-216-837-11	RES-CHIP	22K	5%	1/10W
R5111	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R5322	1-216-820-11	RES-CHIP	820	5%	1/10W
R5112	1-216-679-11	METAL CHIP	15K	0.5%		R5324	1-208-810-11	METAL CHIP	15K	0.5%	
R5118	1-249-411-11	CARBON	330	5%	1/4W	R5325	1-208-812-11	METAL CHIP	18K		1/10W
R5119	1-216-844-11	RES-CHIP	82K	5%	1/10W	R5326	1-216-845-11	RES-CHIP	100K	5%	1/10W
R5122	1-216-821-11	RES-CHIP	1K	5%	1/10W	R5327	1-216-472-00	METAL OXIDE	39	5%	3W
R5125	1-216-836-11	RES-CHIP	18K	5%	1/10W	R5328	1-216-033-00	RES-CHIP	220	5%	1/10W
R5125	1-249-406-11	CARBON		5%	1/4W	R5320		RES-CHIP		5% 5%	1/10W
			120	5% 5%			1-216-033-00		220		
R5127	1-216-025-11	RES-CHIP	100	3 8	1/10W	R5332	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R5128	1-216-809-11	RES-CHIP	100	5%	1/10W	R5333	1-208-820-11	METAL CHIP	39K	0.5%	1/10W
R5129	1-216-809-11	RES-CHIP	100	5%	1/10W	R5334	1-208-834-11	METAL CHIP	150K	0.5%	1/10W
R5130	1-216-809-11	RES-CHIP	100	5%	1/10W	R5335	1-208-818-11	METAL CHIP	33K	0.5%	1/10W
R5131	1-216-821-11	RES-CHIP	1K	5%	1/10W	R5336	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R5132	1-216-809-11	RES-CHIP	100	5%	1/10W	R5337	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
					4.44.0						4.10
R5133	1-216-809-11	RES-CHIP	100	5%	1/10W	R5338	1-249-413-11	CARBON	470	5 %	1/4W
R5137	1-216-809-11	RES-CHIP	100	5%	1/10W	R5340	1-216-057-00	RES-CHIP	2.2K		1/10W
R5138	1-216-809-11	RES-CHIP	100	5 %	1/10W	R5341	1-216-089-91	RES-CHIP	47K	5%	1/10W
R5139	1-216-821-11	RES-CHIP	1K	5%	1/10W	R5342	1-208-818-11	METAL CHIP	33K		1/10W
R5140	1-216-821-11	RES-CHIP	1K	5%	1/10W	R5343	1-208-808-11	METAL CHIP	12K	0.5%	1/10W
R5146	1-216-025-11	RES-CHIP	100	5%	1/10W	R5344	1-208-820-11	METAL CHIP	39K	0.5%	1/10W
R5148	1-216-809-11	RES-CHIP	100	5%	1/10W	R5345	1-208-832-11	METAL CHIP			1/10W
R5149	1-216-637-11	METAL CHIP	270	0.5%		R5346	1-216-849-11	RES-CHIP	220K		1/10W
R5149	1-249-414-11	CARBON	560	5%	1/4W	R5347	1-216-833-11	RES-CHIP	10K	5%	1/10W
	1-249-414-11	CARBON	3.9	5%	1/4W	R5347	1-216-633-11		560	5%	1/10W
R5151	1-249-404-11	CARBUN	3.9	Jð	1/4W	K0349	1-210-043-91	RES-CHIP	200	3 8	T/ TOW
R5152	1-249-413-11	CARBON	470	5%	1/4W	R5350	1-216-041-00	RES-CHIP	470	5%	1/10W
R5153	1-249-393-11	CARBON	10	5%	1/4W	R5351	1-216-809-11	RES-CHIP	100	5%	1/10W
R5154	1-216-833-11	RES-CHIP	10K	5%	1/10W	R5352	1-216-821-11	RES-CHIP	1K	5%	1/10W
R5155	1-249-421-11	CARBON	2.2K	5%	1/4W	R5400	1-216-848-11	RES-CHIP	180K	5%	1/10W
R5156	1-216-833-11	RES-CHIP	10K	5%	1/10W	R5401	1-216-837-11	RES-CHIP	22K	5%	1/10W
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REF.NO.	PART.NO	DESCRIPTION	I		REMARK	REF.NO.	PART.NO	DESCRIPTION	l		REMARK
R5402	1-216-081-00	RES-CHIP	22K	5%	1/10W	R7035	1-216-025-11	RES-CHIP	100	5%	1/10W
R5403	1-216-829-11	RES-CHIP	4.7K		1/10W	R7048	1-216-025-11	RES-CHIP	100	5%	1/10W
R5404	1-216-829-11	RES-CHIP	4.7K		1/10W	R7050	1-216-833-11	RES-CHIP	10K	5%	1/10W
R5405	1-216-829-11	RES-CHIP	4.7K		1/10W	R7051	1-216-025-11	RES-CHIP	100	5%	1/10W
R5407	1-216-854-11		560K		1/10W	R7051	1-216-025-11	RES-CHIP	100	ეა 5%	1/10W
K340/	1-210-034-11	RES-CHIP	AUOC	38	1/10W	R/U52	1-210-025-11	KES-CHIP	100	3 8	1/10W
R5408	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R7053	1-216-049-11	RES-CHIP	1K	5%	1/10W
R5409	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W	R7054	1-216-847-11	RES-CHIP	150K	5%	1/10W
R5410	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R7056	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R5411	1-216-061-91	RES-CHIP	3.3K	5%	1/10W	R7057	1-216-842-11	RES-CHIP	56K	5%	1/10W
R5413	1-208-802-11	METAL CHIP			1/10W	R7058	1-216-049-11	RES-CHIP	1K	5%	1/10W
R5414	1-249-383-11	CARBON	1.5	5%	1/4W	R7065	1-216-821-11	RES-CHIP	1K	5%	1/10W
R5415	1-249-389-11	CARBON	4.7	5%	1/4W	R7066	1-216-809-11	RES-CHIP	100	5%	1/10W
R5416	1-215-888-00	METAL OXIDE	220	5%	2W	R7068	1-216-681-11	METAL CHIP	18K	0.5%	1/10W
R5417	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R7070	1-216-817-11	RES-CHIP	470	5%	1/10W
R5420	1-214-798-21	METAL	1.8	1%	1/2W	R7071	1-216-817-11	RES-CHIP	470	5%	1/10W
R5421	1-214-798-21	METAL	1.8	1%	1/2W	R7072	1-216-817-11	RES-CHIP	470	5%	1/10W
										5% 5%	
R5804	1-216-049-11	RES-CHIP	1K	5% 5°	1/10W	R7073	1-216-041-00	RES-CHIP	470		1/10W
R5805	1-216-049-11	RES-CHIP	1K	5% = °	1/10W	R7074	1-216-043-91	RES-CHIP	560	5% = °	1/10W
R5806	1-216-089-91	RES-CHIP	47K	5% •••	1/10W	R7075	1-216-817-11	RES-CHIP	470	5% = °	1/10W
R5807	1-216-049-11	RES-CHIP	1K	5%	1/10W	R7076	1-216-041-00	RES-CHIP	470	5%	1/10W
R5808	1-216-049-11	RES-CHIP	1K	5%	1/10W	R7077	1-216-043-91	RES-CHIP	560	5%	1/10W
R5809	1-216-073-91	RES-CHIP	10K	5%	1/10W	R7078	1-216-817-11	RES-CHIP	470	5%	1/10W
R5865	1-216-841-11	RES-CHIP	47K	5%	1/10W	R7079	1-216-041-00	RES-CHIP	470	5%	1/10W
R5869	1-216-817-11	RES-CHIP	470	5%	1/10W	R7080	1-216-043-91	RES-CHIP	560	5%	1/10W
R5871	1-216-850-11	RES-CHIP	270K		1/10W	R7081	1-216-817-11	RES-CHIP	470	5%	1/10W
R5872	1-216-073-91	RES-CHIP	10K	5%	1/10W	R7082	1-208-782-11	METAL CHIP	1K		1/10W
R5873	1-216-073-91	RES-CHIP	10K	5%	1/10W	R7088	1-208-783-11	METAL CHIP	1.1K		1/10W
R5875	1-216-825-11	RES-CHIP	2.2K		1/10W	R7089	1-216-819-11	RES-CHIP	680	5%	1/10W
R5877	1-216-821-11	RES-CHIP	1K	5%	1/10W	R7090	1-216-819-11	RES-CHIP	680	5%	1/10W
R5878	1-216-820-11	RES-CHIP	820	5%	1/10W	R7091	1-216-819-11	RES-CHIP	680	5%	1/10W
R5879	1-216-809-11	RES-CHIP	100	5%	1/10W	R7092	1-216-295-91	SHORT CHIP	0		
R5880	1-216-809-11		100	5 %	1/10W	R7093	1-216-295-91	SHORT CHIP	0		
R5881	1-216-833-11		10K	5%	1/10W	R7094	1-216-295-91		0		
R5882	1-216-833-11		10K	5%	1/10W	R7095	1-216-295-91		0		
R5884	1-216-841-11		47K	5%	1/10W	R7096	1-216-803-11		33	5%	1/10W
KJ004	1-210-041-11	RES-CHIP	4/K	J	1/100	K/090	1-210-005-11	KES-CHIP	33	J*0	1/10#
R5885	1-216-809-11	RES-CHIP	100	5%	1/10W	R7097	1-216-803-11	RES-CHIP	33	5%	1/10W
R5887	1-216-809-11	RES-CHIP	100	5%	1/10W						
R5888	1-216-809-11	RES-CHIP	100	5%	1/10W	R7098	1-216-803-11	RES-CHIP	33	5%	1/10W
R5889	1-208-806-11	METAL CHIP	10K	0.5%	1/10W						
R5892	1-216-833-11	RES-CHIP	10K	5%	1/10W		< CRYSTAL	>			
R5895	1-216-833-11	RES-CHIP	10K	5%	1/10W	X2000	1-760-629-11	VIBRATOR, CRY	/STP 2 T.		
R5898	1-216-832-11		8.2K		1/10W	X3200		VIBRATOR, CRI			
R5899	1-216-863-11		3.3M		1/10W	X5800		VIBRATOR, CER			
R6200	1-216-635-11		220		1/10W 1/10W	A3000	1 101-121-11	ATDIVITOR, CEL	WHIT C		
						A Boar	d, Variant Pa	rts KV-28EY	66B/3	2EX6	6B
R6201	1-216-643-11	METAL CHIP	470	∪.5∜	1/10W	A Dual	u, varia nii Pai	113 KV-20FA	30D/S	ZIAU	<u> </u>
R6202	1-249-395-11	CARBON	15	5%	1/4W		< CAPACIT	OR >			
R7007	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R7018	1-216-025-11	RES-CHIP	100	5%	1/10W	C1011	1-163-253-11	CERAMIC CHIP	120PF		5.00% 50V
R7023	1-216-834-11		12K	5%	1/10W	C1012	1-163-245-11	CERAMIC CHIP	56PF		5.00% 50V
R7034	1-216-025-11		100	5%	1/10W	C1016	1-162-915-11	CERAMIC CHIP	10PF		0.50PF 50V



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	N	REMARK
C1017	1-163-247-91	CERAMIC CHIP 68PF	5.00% 50V	A Boa	rd, Variant Pa	rts KV-28FX	(66U/32F)	X66U
	< COIL >				< CAPACI	TOR >		
L1004	1-412-751-11	INDUCTOR 18UH		C1011	NOT FITTED			
11004	1-412-751-11	INDUCTOR 100H		C1011	NOT FITTED			
	< TRANSIS	STOR >		C1016	NOT FITTED			
				C1017	NOT FITTED			
Q1002		TRANSISTOR MSD601-RST1			4 0077			
Q1003	8-729-900-53	TRANSISTOR DTC114EK			< COIT >			
	< RESISTO	DR >		L1004	NOT FITTED			
R1011	1-216-815-11	RES-CHIP 330 5%	1/10W		< TRANSI	STOR >		
R1012	1-216-815-11	RES-CHIP 330 5%	1/10W					
R1014	NOT FITTED			Q1002	NOT FITTED			
R1015	1-216-817-11		1/10W	Q1003	NOT FITTED			
R1016	1-216-809-11	RES-CHIP 100 5%	1/10W		< RESISTO	י פר		
R1018	1-216-825-11	RES-CHIP 2.2K 5%	1/10W		/ KESISIN)K /		
R1020	1-216-295-91		_,	R1011	NOT FITTED			
				R1012	NOT FITTED			
	< TUNER >	•		R1014	1-216-295-91	SHORT CHIP 0		
m**1 000	0 500 505 10	TD01///TUD D#T TT411		R1015	NOT FITTED			
TU1000	8-398-333-12	FRONTEND BTF-EF411		R1016	NOT FITTED			
A Boar	rd, Variant Pa	rts KV-28FX66E/32FX	(66E/32FX66K	R1018	NOT FITTED			
				R1020	NOT FITTED			
	< CAPACII	OR >			< TUNER :			
C1011	NOT FITTED				V TONEK A			
C1012	NOT FITTED			TU1000	8-598-529-01	FRONTEND BTF	'-EU611	
C1016	NOT FITTED							
C1017	NOT FITTED				00-530-A D2 00-514-A D2			
	< COIL >			ATO	00 014 A BE	Board, Con	ipicie (it	V 021 X00)
					3-710-578-01	COVER, VOLUM	E, 6 MOLD	
L1004	NOT FITTED				4-382-854-01	SCREW (M3X8)	, P, SW (+)	
	< TRANSIS	STOR >		D2 Bo	ard Common	Parts		
Q1002	NOT FITTED				< CAPACI	TOR >		
Q1002	NOT FITTED							
_				C6802	1-130-483-00		0.01UF	5.00% 50V
	< RESISTO	OR >		C6803		CERAMIC CHIP		10.00% 16V
-4044				C6804 C6805	1-136-813-11 1-126-964-11		680PF 10UF	5.00% 100V
R1011	NOT FITTED			C6806	1-128-551-11		22UF	20.00% 50V 20.00% 63V
R1012 R1014	NOT FITTED	SHORT CHIP 0		C0000	1 120 331 11	EDECI	2201	20.000 034
R1014	NOT FITTED	OHORI CHIF U		C6807	1-130-495-00	MYLAR	0.1UF	5.00% 50V
R1016	NOT FITTED			C6808	1-126-947-11	ELECT	47UF	20.00% 35V
				C6809		CERAMIC CHIP		10.00% 50V
R1018	NOT FITTED			C6810	1-162-115-00		330PF	10.00% 1KV
R1020	NOT FITTED			C6811	1-162-115-00	CERAMIC	330PF	10.00% 1KV
	< TUNER >	•		C6812	1-135-946-81	FILM	47000PF	3% 800V
	/ TOMER /			C6813	1-126-967-11		47UF	20.00% 50V
TU1000	8-598-533-01	FRONTEND BTF-EC411		C6814	1-126-947-11	ELECT	47UF	20.00% 35V
				C6815	1-130-483-00	MYLAR	0.01UF	5.00% 50V
				I				



REF.NO.	PART.NO	DESCRIPTION		REN	IARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
C6816	1-126-964-11	ELECT 10	0UF	20.00%	50V	D6823	8-719-911-19	DIODE 1SS119-	25		
C6820	1-130-495-00	MYLAR 0.	.1UF	5.00%	50V	D6824	8-719-911-19	DIODE 1SS119-			
C6821	1-126-964-11		0UF	20.00%		D6825	8-719-911-19	DIODE 1SS119-	25		
C6822	1-126-966-11		3UF	20.00%	50V	D6831	8-719-911-19	DIODE 1SS119-			
C6823	1-126-933-11		00UF	20.00%		D6832	8-719-911-19	DIODE 1SS119-			
C6824	1-113-610-11	ELECT (BLOCK) 22	20UF	20.00%	250V	D8919	8-719-948-45	DIODE ERA22-0	8		
C6825	1-130-495-00		.1UF	5.00%	50V	D8927	8-719-991-33	DIODE 1SS133T	-77		
C6826	1-126-969-11		20UF	20.00%	50V						
C6827	1-162-970-11	CERAMIC CHIP 0.	.01UF	10.00%	25V		< FERRITE	BEAD >			
C6834	1-162-970-11	CERAMIC CHIP 0.	.01UF	10.00%							
						FB6801	1-412-911-11	FERRITE	0UH		
C6835	1-127-715-91	CERAMIC CHIP 0.	.22UF	10%	16V	FB8901	1-535-143-61	LEAD, JUMPER	(5.0M	M)	
C6836	1-136-165-00	FILM 0.	.1UF	5.00%	50V						
C6837	1-136-103-00	FILM 0.	.1UF	5.00%	200V		< IC >				
C6840	1-130-495-00	MYLAR 0.	.1UF	5.00%	50V						
C6842	1-130-471-00	MYLAR 0.	.001UF	5.00%	50V	IC6800	8-759-670-30	IC MCZ3001D			
						IC6801	8-759-700-07	IC NJM2903M			
C6843	1-135-945-81	FILM 10	0000PF	3%	V008	IC6802	8-759-701-01	IC NJM2904M			
C6848	1-126-963-11	ELECT 4.	.7UF	20.00%	50V	IC6803	8-759-462-09	IC TLV431AIDB	V		
C6849	1-162-962-11	CERAMIC CHIP 47	70PF	10.00%	50V	IC6807	8-759-586-17	IC TL1431CZ-A	P		
C6850	1-107-826-11	CERAMIC CHIP 0.	.1UF	10.00%	16V						
C6852	1-162-970-11	CERAMIC CHIP 0.	.01UF	10.00%	25V		< COIL >				
C6853	1-126-933-11	ELECT 10	00UF	20.00%	16V	L6802	1-419-658-11	INDUCTOR	107U	H	
C8930	1-129-898-00	FILM 0.	.0022UF	5.00%	630V	L8901	1-406-674-11	INDUCTOR	3.3M	H	
C8932	1-136-205-11	MYLAR 0.	.022UF	5.00%	630V						
C8938	1-162-131-11	CERAMIC 22	20PF	10.00%	2KV		< TRANSIS	ror >			
C8939	1-162-129-00	CERAMIC 15	50PF	10.00%	2KV						
						Q6801	8-729-901-81	TRANSISTOR 2S	C2412K	-T-146	-R
C8944	1-137-150-11		.01UF	5.00%		Q6802	8-729-901-81	TRANSISTOR 2S			-R
C8945	1-126-947-11		7UF	20.00%		Q6803	8-729-120-28	TRANSISTOR 2S			
C8953	1-164-004-11	CERAMIC CHIP 0.	.1UF	10.00%	25V	Q6804	8-729-044-42	TRANSISTOR IR			
						Q6805	8-729-044-42	TRANSISTOR IR	FI644G	-LF36	
	< CONNECT	ror >				0.000	0 500 100 00		a1 coo		
~:: 6000						Q6807		TRANSISTOR 2S			
CN6800		PLUG, CONNECTOR		^=		Q6808		TRANSISTOR 2S			
CN6801		PLUG (MICRO COM	NNECTOR) I	UP		Q6813		TRANSISTOR 2S		-	
CN6803		TAB (CONTACT)				Q6814		TRANSISTOR DT			
CN6804	*1-564-506-11	PLUG, CONNECTOR	K 3P			Q6815	8-729-424-02	TRANSISTOR 2S	B/U9A-	QRS-TX	
	< DIODE >					Q6816	9_720_000_53	TRANSISTOR DT	C11/FK		
	/ DIODE /					Q6817		TRANSISTOR 2S			
D6800	0_710_052_00	DIODE D1NL40-TA	7.2			Q8909		TRANSISTOR ST			
D6800		DIODE DINEAU-IF				Q8918	1-801-806-11		r JND40	(0331)	
D6802		DIODE RD15ESB2				Q0310	1-001-000-11	IN DICI44ENA			
D6803		DIODE 1SS119-25					< RESISTO	D \			
D6806		DIODE RD5.1ESB2					\ NE51510.	X >			
20000	0 713 103 03	D1000 RD3.18002	_			R6801	1-216-841-11	RES-CHIP	47K	5%	1/10W
D6811	8-719-911-19	DIODE 1SS119-25	5			R6802	1-216-849-11		220K		1/10W
D6813		DIODE 188119-25				R6803	1-216-829-11		4.7K		1/10W
D6814		DIODE MTZJ-30C				R6804	1-216-829-11		4.7K		1/10W
D6815		DIODE 1SS119-25				R6805	1-215-481-00		330K		1/4W
D6816		DIODE RD15ESB2									v
-						R6806	1-215-481-00	METAL	330K	1%	1/4W
D6817	8-719-063-73	DIODE D1NL20U-T	TR			R6807	1-215-481-00		330K		1/4W
D6820		DIODE MTZJ-7.5E				R6808	1-211-981-11		33		1/10W
D6821		DIODE RD18ESB2				R6809	1-218-823-11		100		1/10W
D6822		DIODE D1NL20U-T				R6810	1-249-417-11		1K	5%	1/4W
					I						



REF.NO.	PART.NO	DESCRIPTION	l		REMARK	REF.NO.	PART.NO	DESCRIPTION	N		REMARK
R6811	1-202-933-61	FUSIBLE	0.1	10%	1/2W	R6896	1-216-839-11	RES-CHIP	33K	5%	1/10W
R6812	1-218-869-11	METAL CHIP			1/10W	R6897	1-216-853-11	RES-CHIP	470K	5%	1/10W
R6813	1-249-393-11	CARBON	10	5%	1/4W	R8949	1-216-486-21	METAL OXIDE	8.2K	5%	3W
R6814	1-249-393-11	CARBON	10	5%	1/4W	R8951	1-216-486-21		8.2K		3W
R6815	1-216-833-11		10K	5%	1/10W	R8954	1-260-123-11	CARBON	100K		1/2W
R6816	1-216-833-11	RES-CHIP	10K	5%	1/10W	R8955	1-260-123-11	CARBON	100K	5%	1/2W
R6817	1-243-979-71	METAL OXIDE	0.1	5%	2W	R8956	1-260-123-11	CARBON	100K	5%	1/2W
R6818	1-249-389-11	CARBON	4.7	5%	1/4W	R8957	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R6819	1-535-143-61	LEAD, JUMPER	(5.0MM	1)		R8988	1-260-123-11	CARBON	100K	5%	1/2W
R6820	1-216-837-11	RES-CHIP	22K	5%	1/10W	R8989	1-249-429-11	CARBON	10K	5%	1/4W
R6821	1-216-837-11	RES-CHIP	22K	5%	1/10W	R8990	1-216-840-11	RES-CHIP	39K	5%	1/10W
R6823	1-247-843-11	CARBON	3.3K	5%	1/4W	R8991	1-216-834-11	RES-CHIP	12K	5%	1/10W
R6825	1-218-912-11	METAL CHIP	510K	0.5%	1/10W						
R6828	1-218-895-11	METAL CHIP	100K	0.5%	1/10W		< RESISTO	OR VARIABLE >			
R6829	1-216-841-11	RES-CHIP	47K		1/10W						
			.=		4.44	RV6800	1-241-763-11	RES, ADJ, CE	RMET 4.	7K	
R6832	1-216-841-11			5%	1/10W						
R6833	1-216-833-11			5% 	1/10W		< SPARK G	SAP >			
R6834	1-216-821-11		1K	5%	1/10W		4 848 465 51				
R6835	1-215-433-00		3.3K		1/4W	SG6800	1-517-499-21	GAP, SPARK			
R6839	1-215-447-00	METAL	12K	1%	1/4W		< TRANSFO)RMER >			
R6840	1-535-143-61	LEAD, JUMPER	(5.0MM	1)							
R6841	1-218-847-11	•			1/10W	T8901	1-437-690-11	TRANSFORMER.	FERRIT	E (DFI	2)
R6843	1-218-845-11		820		1/10W					- ,5-1	•
R6844	1-218-875-11				1/10W	D2 Boa	ırd, Variant P	arts <u>KV-28F</u>	X66		
R6845	1-218-855-11				1/10W						
00-10		VIIII	_,_,	0.00	-/		< RESISTO)R >			
R6846	1-218-868-11	METAL CHIP	7.5K	0.5%	1/10W						
R6847	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R6827	1-216-849-11	RES CHIP	220K	5%	1/10W
R6848	1-216-817-11	RES-CHIP	470	5%	1/10W	R6836	1-215-449-00	METAL	15K	1%	1/4W
R6849	1-535-143-71	LEAD, JUMPER	(7.5MM	1)		R6837	1-215-449-00	METAL	15K	1%	1/4W
R6850	1-535-143-71	LEAD, JUMPER	(7.5MM	1)		R6838	1-215-445-00	METAL	10K	1%	1/4W
DC050	1 010 045 41	DEG 2005	100	E0	1 /1 013	R8950	1-216-486-21	METAL OXIDE	8.2K	5%	3W
R6852	1-216-845-11		100K		1/10W	R8952	1_016_406_01	METAL OXIDE	טר ס	Ę٥	3W
R6865	1-216-835-11		15K	5% = 0.	1/10W	V0327	1-210-400-21	METAT OVING	0.ZA	20	211
R6867	1-216-809-11		100	5% = °	1/10W		/ mdamer/	י משאמר			
R6868 R6869	1-216-797-11 1-216-833-11		10 10K	5% 5%	1/10W 1/10W		< TRANSFO	MILK /			
						T6800 △	1-453-378-21	TRANSFORMER,	ASSY,	FLYBAC	CK (NX-6020//Z214)
R6870	1-216-849-11	RES-CHIP	720K	5%	1/10W						
				F ^	4 / 400	DO Doe	rd Variant D	arte KV 20E	YEE_		
R6872	1-249-377-11	CARBON	0.47		1/4W	D2 Boa	rd, Variant P	arts KV-32F	X66		
R6872 R6873	1-249-377-11 1-249-431-11	CARBON CARBON	0.47 15K	5%	1/4W	D2 Boa			X66		
R6872 R6873 R6874	1-249-377-11 1-249-431-11 1-218-903-11	CARBON CARBON METAL CHIP	0.47 15K 220K	5% 0.5%	1/4W 1/10W	D2 Boa	rd, Variant P		X66		
R6872 R6873 R6874	1-249-377-11 1-249-431-11	CARBON CARBON METAL CHIP	0.47 15K	5% 0.5%	1/4W	D2 Boa		OR >	X66 82K	0.5%	1/4W
R6872 R6873 R6874 R6875	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11	CARBON CARBON METAL CHIP RES-CHIP	0.47 15K 220K 3.3M	5% 0.5% 5%	1/4W 1/10W 1/10W		< RESISTO	OR >		0.5% 1%	1/4W 1/4W
R6872 R6873 R6874 R6875	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00	CARBON CARBON METAL CHIP RES-CHIP METAL	0.47 15K 220K 3.3M 470K	5% 0.5% 5% 1%	1/4W 1/10W 1/10W	R6827	< RESISTO	OR > METAL CHIP METAL	82K		
R6872 R6873 R6874 R6875 R6876 R6877	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00 1-215-485-00	CARBON CARBON METAL CHIP RES-CHIP METAL METAL	0.47 15K 220K 3.3M 470K 470K	5% 0.5% 5% 1%	1/4W 1/10W 1/10W 1/4W 1/4W	R6827 R6836	< RESISTO 1-218-893-11 1-215-447-00	OR > METAL CHIP METAL METAL	82K 12K	1% 1%	1/4W
R6872 R6873 R6874 R6875 R6876 R6877 R6878	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00 1-215-485-00 1-216-821-11	CARBON CARBON METAL CHIP RES-CHIP METAL METAL RES-CHIP	0.47 15K 220K 3.3M 470K 470K 1K	5% 0.5% 5% 1% 1% 5%	1/4W 1/10W 1/10W 1/4W 1/4W 1/10W	R6827 R6836 R6837	< RESISTO 1-218-893-11 1-215-447-00 1-215-447-00	NR > METAL CHIP METAL METAL METAL	82K 12K 12K	1% 1%	1/4W 1/4W
R6872 R6873 R6874 R6875 R6876 R6877 R6878 R6880	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00 1-215-485-00 1-216-821-11 1-219-751-51	CARBON CARBON METAL CHIP RES-CHIP METAL METAL RES-CHIP CARBON	0.47 15K 220K 3.3M 470K 470K 1K 47K	5% 0.5% 5% 1% 1% 5% 5%	1/4W 1/10W 1/10W 1/4W 1/4W 1/10W 1/2W	R6827 R6836 R6837 R6838	<pre></pre>	NR > METAL CHIP METAL METAL METAL	82K 12K 12K 12K	1% 1% 1%	1/4W 1/4W 1/4W
R6872 R6873 R6874 R6875 R6876 R6877 R6878 R6880	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00 1-215-485-00 1-216-821-11	CARBON CARBON METAL CHIP RES-CHIP METAL METAL RES-CHIP CARBON	0.47 15K 220K 3.3M 470K 470K 1K	5% 0.5% 5% 1% 1% 5%	1/4W 1/10W 1/10W 1/4W 1/4W 1/10W	R6827 R6836 R6837 R6838	<pre></pre>	OR > METAL CHIP METAL METAL METAL METAL METAL METAL OXIDE	82K 12K 12K 12K 10K	1% 1% 1%	1/4W 1/4W 1/4W
R6872 R6873 R6874 R6875 R6876 R6877 R6878 R6880 R6881	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00 1-215-485-00 1-216-821-11 1-219-751-51	CARBON CARBON METAL CHIP RES-CHIP METAL METAL RES-CHIP CARBON CARBON	0.47 15K 220K 3.3M 470K 470K 1K 47K	5% 0.5% 5% 1% 1% 5% 5%	1/4W 1/10W 1/10W 1/4W 1/4W 1/10W 1/2W	R6827 R6836 R6837 R6838 R8950	< RESISTO 1-218-893-11 1-215-447-00 1-215-447-00 1-215-923-00 1-215-923-00	METAL CHIP METAL METAL METAL METAL METAL METAL OXIDE	82K 12K 12K 12K 10K	1% 1% 1% 5%	1/4W 1/4W 1/4W 3W
R6872 R6873 R6874 R6875 R6876 R6877 R6878 R6880 R6881	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00 1-215-485-00 1-216-821-11 1-219-751-51 1-219-749-51	CARBON CARBON METAL CHIP RES-CHIP METAL METAL RES-CHIP CARBON CARBON RES-CHIP	0.47 15K 220K 3.3M 470K 470K 1K 47K 10K	5% 0.5% 5% 1% 1% 5% 5% 5%	1/4W 1/10W 1/10W 1/4W 1/4W 1/10W 1/2W 1/2W	R6827 R6836 R6837 R6838 R8950	<pre></pre>	METAL CHIP METAL METAL METAL METAL METAL METAL OXIDE	82K 12K 12K 12K 10K	1% 1% 1% 5%	1/4W 1/4W 1/4W 3W
R6872 R6873 R6874 R6875 R6876 R6877 R6878 R6880 R6881	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00 1-215-485-00 1-216-821-11 1-219-751-51 1-219-749-51	CARBON CARBON METAL CHIP RES-CHIP METAL METAL RES-CHIP CARBON CARBON RES-CHIP METAL CHIP	0.47 15K 220K 3.3M 470K 470K 1K 47K 10K	5% 0.5% 5% 1% 1% 5% 5% 5% 0.5%	1/4W 1/10W 1/10W 1/4W 1/4W 1/10W 1/2W 1/10W	R6827 R6836 R6837 R6838 R8950	<pre></pre>	METAL CHIP METAL METAL METAL METAL METAL OXIDE METAL OXIDE	82K 12K 12K 12K 10K	1% 1% 1% 5%	1/4W 1/4W 1/4W 3W
R6872 R6873 R6874 R6875 R6876 R6877 R6878 R6880 R6881 R6882 R6883 R6884 R6885	1-249-377-11 1-249-431-11 1-218-903-11 1-216-863-11 1-215-485-00 1-215-485-00 1-216-821-11 1-219-751-51 1-219-749-51 1-216-841-11 1-211-985-11	CARBON CARBON METAL CHIP RES-CHIP METAL METAL RES-CHIP CARBON CARBON RES-CHIP METAL CHIP METAL CHIP	0.47 15K 220K 3.3M 470K 470K 1K 47K 10K	5% 0.5% 5% 1% 1% 5% 5% 5% 0.5%	1/4W 1/10W 1/10W 1/4W 1/4W 1/10W 1/2W 1/2W 1/10W 1/10W	R6827 R6836 R6837 R6838 R8950	<pre></pre>	METAL CHIP METAL METAL METAL METAL METAL OXIDE METAL OXIDE	82K 12K 12K 12K 10K	1% 1% 1% 5%	1/4W 1/4W 1/4W 3W

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
*A-13	00-578-A CE	Board, Complete		D7378	8-719-109-89	DIODE RD5.6ESB2	
				D7379	8-719-109-89	DIODE RD5.6ESB2	
	4-382-854-01	SCREW (M3X8), P, SW (+)				
	< CAPACIT	r∩p \			< IC >		
	CAPACII	TOR >		IC7300	8-759-360-83	IC TDA6111Q/N4	
C7303	1-162-909-11	CERAMIC CHIP 4PF	0.25PF 50V	IC7325	8-759-360-83		
C7304	1-107-967-11	ELECT 1UF	20.00% 400V	IC7350	8-759-360-83	IC TDA6111Q/N4	
C7305	1-136-207-11	MYLAR 0.047UF	5.00% 630V				
C7306	1-163-009-91		10.00% 50V		< SOCKET	>	
C7308	1-162-909-11	CERAMIC CHIP 4PF	0.25PF 50V	-5055 4	1 054 500 44		
C7309	1-163-035-00	CERAMIC CHIP 0.047UF	50V	J/3/5 A	1-251-732-11	SOCKET, CRT	
C7319	1-163-033-00	CERAMIC CHIP 0.0470F	5.00% 50V		< COIL >		
C7325	1-162-909-11	CERAMIC CHIP 4PF	0.25PF 50V		(0011)		
C7326	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V	L7375	1-410-671-31	INDUCTOR 47UH	
C7330	1-136-207-11		5.00% 630V	L7376 △		LINK, IC 1A/150V	ICP-F25
				L7378	1-414-934-21	INDUCTOR 10UH	
C7331	1-162-909-11	CERAMIC CHIP 4PF	0.25PF 50V				
C7333	1-163-035-00	CERAMIC CHIP 0.047UF	50V		< TRANSIS	STOR >	
C7334	1-163-247-91	CERAMIC CHIP 68PF	5.00% 50V		. =		
C7350	1-126-947-11	ELECT 47UF	20.00% 35V	Q7350	8-729-901-06	TRANSISTOR DTA144EK	
C7351	1-162-909-11	CERAMIC CHIP 4PF	0.25PF 50V	Q7352 Q7353	8-729-421-19 8-729-421-19	TRANSISTOR UN2213 TRANSISTOR UN2213	
C7352	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V	Q7353	8-729-901-06	TRANSISTOR DTA144EK	
C7354	1-126-933-11	ELECT 100UF	20.00% 16V	Q7355		TRANSISTOR UN2213	
C7355	1-107-967-11	ELECT 1UF	20.00% 400V	2.000	VV		
C7356	1-136-207-11	MYLAR 0.047UF	5.00% 630V		< RESISTO	OR >	
C7358	1-162-909-11	CERAMIC CHIP 4PF	0.25PF 50V				
				R7300	1-249-417-11	CARBON 1K 5%	1/4W
C7359	1-163-035-00	CERAMIC CHIP 0.047UF	50V	R7302		LEAD, JUMPER (5.0MM)	
C7360	1-163-247-91	CERAMIC CHIP 68PF	5.00% 50V	R7303	1-216-824-11	RES-CHIP 1.8K 5%	•
C7378	1-162-116-00	CERAMIC 680PF	10.00% 2KV	R7304	1-260-095-11	CARBON 470 58	_, _,
C7379 C7380	1-162-114-00 1-107-662-11	CERAMIC 0.0047UF ELECT 22UF	2KV 20.00% 350V	R7305	1-215-903-11	METAL OXIDE 68K 5%	s 2W
C/300	1-107-602-11	EDECI 220F	20.00% 3300	R7306	1-535-143-61	LEAD, JUMPER (5.0MM)	
C7384	1-162-911-11	CERAMIC CHIP 6PF	0.50PF 50V	R7309	1-216-824-11		s 1/10W
C7385		CERAMIC CHIP 8PF	0.50PF 50V	R7310	1-216-819-11		•
C7387		CERAMIC CHIP 6PF	0.50PF 50V	R7325	1-249-417-11		
C7388	1-162-913-11	CERAMIC CHIP 8PF	0.50PF 50V	R7327	1-535-143-61	LEAD, JUMPER (5.0MM)	
C7390	1-162-911-11	CERAMIC CHIP 6PF	0.50PF 50V				
				R7328	1-216-824-11		
C7391	1-162-913-11	CERAMIC CHIP 8PF	0.50PF 50V	R7329	1-260-095-11		·
	4 600000	10D >		R7330		METAL OXIDE 68K 58	s 2W
	< CONNECT	IOR >		R7331 R7334	1-535-143-61	LEAD, JUMPER (5.0MM) RES-CHIP 680 5%	s 1/10W
CN7300	*1-564-508-11	PLUG, CONNECTOR 5P		K/334	1-210-019-11	KES-CHIP 000 36	5 1/10W
CN7301		PLUG, CONNECTOR 9P		R7335	1-216-824-11	RES-CHIP 1.8K 5%	1/10W
CN7311		TAB (CONTACT)		R7350	1-249-417-11		
CN7333		TAB (CONTACT)		R7355		LEAD, JUMPER (5.0MM)	•
				R7356	1-216-824-11		1/10W
	< DIODE >	>		R7357	1-260-095-11	CARBON 470 58	1/2W
							•
D7300		DIODE 1SS119-25		R7358	1-215-903-11		s 2W
D7325		DIODE 188119-25		R7360		LEAD, JUMPER (5.0MM)	1/101
D7350 D7375		DIODE 1SS119-25 DIODE 1SS133T-77		R7363 R7364	1-216-819-11 1-216-824-11		
D7376		DIODE 1SS133T-77		R7373	1-216-823-11		
	J .=7 77± 00			1			-,,



REF.NO.	PART.NO	DESCRIPTION		RE	MARK	REF.NO.	PART.NO	DESCRIPTION	l	REI	MARK
R7374	1-216-819-11	RES-CHIP	680	5% 1/10W	I	C0023	8-719-109-89	DIODE	RD5.6ESB2		
R7375	1-249-435-11	CARBON	33K	5% 1/4W		C0024	8-719-109-89	DIODE	RD5.6ESB2		
R7376	1-249-429-11	CARBON	10K	5% 1/4W		C0025	1-162-962-11	CERAMIC CHIP	470PF	10.00%	50V
R7377	1-249-430-11	CARBON	12K	5% 1/4W		C0026	1-162-962-11	CERAMIC CHIP	470PF	10.00%	
R7379	1-216-833-11		10K	5% 1/10W	ī	C0027	1-162-962-11	CERAMIC CHIP	470PF	10.00%	
R7380	1-216-833-11	RES-CHIP	10K	5% 1/10W	1	C0028	1-126-934-11	ELECT	220UF	20.00%	16V
R7381	1-216-833-11			5% 1/10W		C0029	1-164-360-11				16V
R7382	1-202-549-00	SOLID		20% 1/2W	•	C0030	1-164-360-11				16V
R7383	1-216-347-11			5% 1W		C0031	1-164-360-11				16V
R7385	1-202-549-00			20% 1/2W		C0032	1-164-360-11				16V
R7387	1-247-735-11	CARBON	47	5% 1/2W		C0033	1-162-916-11	CERAMIC CHIP	12PF	5.00%	50V
R7388		LEAD, JUMPER								•	•••
R7389	1-247-881-00	CARBON	120K	-			< CONNECT	'OR >			
R7390	1-249-417-11			5% 1/4W			(00111202				
R7391	1-216-824-11		1.8K		ī	CN0001	1_703_407_11	CONNECTOR, BO	סג∩ם חיד חסגר	מ 1/1 ת	
KIJJI	1 210 024 11	KED CHII	1.01	J	ı	CN0001	*1-564-520-11	•		D 401	
ממכת	1-216-819-11	DEC CUID	600	EQ 1/10%	,		*1-564-518-11				
R7392 R7393	1-216-819-11		680 1.5K	5% 1/10W 5% 1/10W		CN0003	-1-204-210-11	FLUG, CONNEC	ION JP		
				-			(DIODE)				
R7394	1-249-417-11		1K	5% 1/4W			< DIODE >	•			
R7395	1-216-824-11			5% 1/10W							
R7396	1-216-819-11	RES-CHIP	680	5% 1/10W	I	D0001		DIODE BAS40-0			
					_	D0301	8-719-069-56	DIODE UDZSTE-	-176.2B		
R7397	1-216-823-11		1.5K								
R7398	1-249-417-11			5% 1/4W			< FERRITE	BEAD >			
R7399	1-216-824-11	RES-CHIP	1.8K	5% 1/10W	I						
						FB0003	1-216-295-91		0		
	< RESISTO	OR VARIABLE >				FB0004	1-412-006-31	INDUCTOR	10UH		
						FB0005	1-216-864-11	SHORT CHIP	0		
RV7375	1-241-656-11	RES, ADJ, META	AL FILM	110M		FB0006	1-412-006-31	INDUCTOR	10UH		
*Δ-140	00-284-A M2	Board Com	nlete			FB0007	1-412-006-31	INDUCTOR	10UH		
7	,	Doura, com	pioto			FB0008	1-216-295-91	SHORT CHIP	0		
	1-540-151-21	SOCKET, IC				FB0009	1-412-006-31		10UH		
		,				FB0010	1-216-295-91		0		
	< CAPACIT	TOR >				FB0011	1-216-295-91		0		
	· •					FB0012	1-412-006-31		10UH		
C0001	1-107-826-11	CERAMIC CHIP (0.1UF	10.00%	16V	PDOOLE	1 412 000 31	INDUCTOR	10011		
C0002	1-107-826-11	CERAMIC CHIP (0.1UF	10.00%	16V	FB0015	1-216-864-11	SHORT CHIP	0		
C0004	1-164-360-11	CERAMIC CHIP (0.1UF		16V	FB0016	1-216-864-11		0		
C0006	1-126-934-11	ELECT	220UF	20.00%	16V	FB0017	1-216-295-91		0		
C0007		CERAMIC CHIP (0.1UF	10.00%		FB0018	1-216-295-91		0		
						FB0019	1-216-295-91		0		
C0008	1-107-826-11	CERAMIC CHIP (0.1UF	10.00%	16V				-		
C0009				,	16V	FB0020	1-216-295-91	SHORT CHIP	0		
C0010	1-162-927-11			5.00%		FB0020	1-216-295-91		0		
C0010	1-164-360-11			3.000	16V	FB0021 FB0022	1-412-006-31		10UH		
C0011		CERAMIC CHIP !		5.00%		FBUUZZ	1-412-000-31	INDUCTOR	1001		
00012	1 102 521 11	OLIVATIO OTILI (5011	3.000	301		< IC >				
C0013	1-164-360-11	CERAMIC CHIP (0.1UF		16V						
C0015	1-135-834-91	CERAMIC CHIP 2	2.2E+06	SPF	6.3V	IC0001	8-759-699-33	IC M24C16-MN6	ST (A)		
C0016	1-165-128-11		0.22UF		16V	IC0002	6-702-515-01				
C0017	1-162-924-11			5.00%		IC0003	8-759-672-39		, - :		
C0019	1-164-360-11				16V	IC0003	8-759-665-11				
·						IC0004	6-702-395-01		E-YF70T		
C0020	1-162-923-11	CERAMIC CHIP	47PF	5.00%	50V		J . VI 333 VI		V -		
C0021	8-719-109-89		RD5.6ES		2 - -	IC0006	6-702-404-01	IC M27W201-80) K 6ሞR – RMW1 በበ		
C0021	8-719-109-89		RD5.6ES			IC0000		IC TC7SH04FU	MOIN DEWING		
00022	0 ,15 105 05	21,00	, VEL			100001	0-133-211-00	10 10/300410			



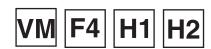
REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTIO	N		REMARK
IC0008	8-759-392-01	IC TC7SH86FU-1	TE85R		R0048	1-216-809-11	RES-CHIP	100	5%	1/10W
IC0010	8-759-523-81	IC TC74VHC08FT	ľ(EL)		R0049	1-216-833-11	RES-CHIP	10K	5%	1/10W
					R0050	1-216-810-11	RES-CHIP	120	5%	1/10W
	< TRANSIS	STOR >			R0051	1-216-835-11	RES-CHIP	15K	5%	1/10W
					R0052	1-216-810-11	RES-CHIP	120	5%	1/10W
0002	8-729-424-08	TRANSISTOR UN2	2111							
20003	8-729-424-08	TRANSISTOR UN2	2111		R0053	1-216-809-11	RES-CHIP	100	5%	1/10W
20006	8-729-010-29	TRANSISTOR MSI	0601-RST1		R0054	1-216-809-11	RES-CHIP	100	5%	1/10W
0007	8-729-027-44	TRANSISTOR DTO	C114TKA-T14	5	R0055	1-216-809-11	RES-CHIP	100	5%	1/10W
8000	8-729-027-44	TRANSISTOR DTO	C114TKA-T14	5	R0056	1-216-833-11	RES-CHIP	10K	5%	1/10W
					R0057	1-216-809-11	RES-CHIP	100	5%	1/10W
0009	8-729-027-44	TRANSISTOR DTO	C114TKA-T14	5						
0010	8-729-027-44	TRANSISTOR DTO	C114TKA-T14	5	R0058	1-216-823-11	RES-CHIP	1.5K	5%	1/10W
0011	8-729-010-29	TRANSISTOR MSI	0601-RST1		R0059	1-216-841-11	RES-CHIP	47K	5%	1/10W
0012	8-729-424-08	TRANSISTOR UN2	2111		R0060	1-216-833-11	RES-CHIP	10K	5%	1/10W
0013	8-729-421-22	TRANSISTOR UN2	2211		R0061	1-216-833-11	RES-CHIP	10K	5%	1/10W
					R0062	1-216-833-11	RES-CHIP	10K	5%	1/10W
0014	8-729-421-19	TRANSISTOR UN2	2213			-				•
0015	8-729-010-29	TRANSISTOR MSI			R0063	1-216-833-11	RES-CHIP	10K	5%	1/10W
-	• -•				R0064	1-216-833-11	RES-CHIP	10K	5%	1/10W
	< RESISTO	OR >			R0065	1-216-833-11	RES-CHIP	10K	5%	1/10W
					R0066	1-218-871-11	METAL CHIP	10K		1/10W
R0002	1-216-864-11	SHORT CHIP	0		R0067	1-216-833-11	RES-CHIP	10K	5%	1/10W
										_,
0001	1-216-819-11	RES-CHIP	680 5%	1/10W	R0068	1-216-833-11	RES-CHIP	10K	5%	1/10W
0002	1-216-824-11	RES-CHIP	1.8K 5%	1/10W	R0069	1-216-833-11	RES-CHIP	10K	5%	1/10W
0003	1-216-809-11	RES-CHIP	100 5%	1/10W	R0070	1-216-809-11	RES-CHIP	100	5%	1/10W
0011	1-216-809-11	RES-CHIP	100 5%	1/10W	R0071	1-216-809-11	RES-CHIP	100	5%	1/10W
0014	1-216-837-11	RES-CHIP	22K 5%	1/10W	R0072	1-216-809-11	RES-CHIP	100	5%	1/10W
.0011	1 210 037 11	1110 01111	LLK 50	1/ 1011	10072	1 210 003 11	120 0111	-00	•	1/1011
R0016	1-216-809-11	RES-CHIP	100 5%	1/10W	R0073	1-216-809-11	RES-CHIP	100	5%	1/10W
0017	1-216-843-11	RES-CHIP	68K 5%	1/10W	R0074	1-216-809-11	RES-CHIP	100	5%	1/10W
0018	1-216-809-11	RES-CHIP	100 5%	1/10W	R0075	1-216-809-11	RES-CHIP	100	5%	1/10W
0019	1-216-073-91	RES-CHIP	10K 5%	1/10W	R0076	1-216-821-11	RES-CHIP	1K	5%	1/10W
20020	1-216-821-11	RES-CHIP	1K 5%	1/10W	R0078	1-216-817-11	RES-CHIP	470	5%	1/10W
.0020	1-210-021-11	KES-CHIP	IK Jo	1/10#	K0076	1-210-017-11	RES-CHIP		J*0	1/10W
0022	1-216-809-11	RES-CHIP	100 5%	1/10W	R0079	1-216-829-11	RES-CHIP	4.7K	5 9	1/10W
.0022	1-216-845-11		100 5%	1/10W	R0073	1-216-809-11	RES-CHIP	100	5% 5%	1/10W
.0023	1-216-821-11	RES-CHIP	100K 5%	1/10W	R0082	1-216-864-11	SHORT CHIP	0	J*0	1/10W
0028	1-216-833-11	RES-CHIP	10K 5%	1/10W	R0083	1-216-809-11	RES-CHIP	100	5%	1/10W
		RES-CHIP		•			RES-CHIP		ა 5%	1/10W 1/10W
.0029	1-216-809-11	VE9-CUIL	100 5%	1/10W	R0084	1-216-809-11	VE9_CUIL	100	J 6	T/ TOM
.0030	1-216-809-11	RES-CHIP	100 5%	1 /1 OW	R0085	1-216-809-11	RES-CHIP	100	5%	1/10W
				1/10W						-
0032	1-216-809-11	RES-CHIP	100 5%	1/10W	R0086	1-216-841-11	RES-CHIP	47K	5% ₅∘	1/10W
0033	1-216-809-11	RES-CHIP	100 5%	1/10W	R0087	1-216-841-11	RES-CHIP	47K	5% ⊑∘	1/10W
0034	1-218-725-11	METAL CHIP		1/16W	R0088	1-216-809-11	RES-CHIP	100	5% = 0.	1/10W
.0035	1-218-867-11	METAL CHIP	6.8K 0.5%	T/ TOW	R0301	1-216-833-11	RES-CHIP	10K	5%	1/10W
0027	1 016 007 11	DEC OUTP	2 2V F0	1 /1 OW	D0200	1 016 000 11	DEC CUIT	1 0 22	E 0.	1 /1 01
0037	1-216-827-11	RES-CHIP	3.3K 5%	1/10W	R0302	1-216-833-11	RES-CHIP	10K	5% = 0.	1/10W
0039	1-216-809-11		100 5%	1/10W	R0303	1-216-836-11	RES-CHIP	18K	5%	1/10W
0040	1-216-809-11	RES-CHIP	100 5%	1/10W	R0304	1-218-867-11	METAL CHIP	b.8K	∪.5%	1/10W
0041	1-216-825-11	RES-CHIP	2.2K 5%	1/10W						
0042	1-218-867-11	METAL CHIP	6.8K 0.5%	1/10W		< CRYSTAI	ı >			
0010	4 044 000 11		00	4 /4 0		4 PPA PT. T.				
0043	1-216-803-11	RES-CHIP	33 5%	1/10W	X0001	1-578-774-71	VIBRATOR, CR	YSTAL		
R0044	1-216-809-11	RES-CHIP	100 5%	1/10W						
0045	1-216-803-11	RES-CHIP	33 5%	1/10W						
0046	1-216-803-11	RES-CHIP	33 5%	1/10W						
10047	1-216-810-11	RES-CHIP	120 5%	1/10W						
					1					



REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
*A-14	00-969-A LB	oard, Compl	ete		*A-13	00-627-A VN	l Board, Complete	
	< CAPACIT	OR >				4-382-854-01	SCREW (M3X8), P, SW	(+)
C0701	1-162-913-11	CERAMIC CHIP	8PF	0.50PF 50V		< CAPACI	TOR >	
C0702	1-164-227-11	CERAMIC CHIP	0.022UF	10.00% 25V				
C0703	1-162-908-11	CERAMIC CHIP	3PF	0.25PF 50V	C7401	1-126-935-11	ELECT 470UF	20.00% 16V
C0705	1-162-923-11	CERAMIC CHIP	47PF	5.00% 50V	C7403	1-126-935-11	ELECT 470UF	20.00% 16V
C0706	1-162-923-11	CERAMIC CHIP	47PF	5.00% 50V	C7404	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
					C7405	1-126-933-11	ELECT 100UF	20.00% 16V
	< CONNECT	OR >			C7406	1-126-935-11	ELECT 470UF	20.00% 16V
CN0701	*1-564-508-11	PLUG, CONNECTO	OR 5P		C7407	1-107-364-11	MYLAR 0.01UF	10.00% 200V
		,			C7408	1-107-364-11		10.00% 200V
	< DIODE >	•			C7409	1-107-649-11		20.00% 250V
	, 52052 /				C7410	1-130-471-00		
D0701	8-719-050-37	DIODE M1MA152	WA-T1		C7411	1-130-471-00		
D0702		DIODE TLPG560			0/111	1 130 1/1 00		3.000 301
D0702	0 300 200 01	DIODE IELOSOO	O AUIZE		C7412	1-126-935-11	ELECT 470UF	20.00% 16V
	< IC >				C7412	1-126-935-11		20.00% 16V 20.00% 16V
	\ 1C /				C7413	1-120-933-11		20.00% 16V 20.00% 250V
IC0701	6 700 066 01	TO MO22402DMD	D0					
100/01	6-702-266-01	IC MC33493DTB	KZ		C7415	1-107-363-91		
	< COIL >				C7418	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
					C7421	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
L0701	1-216-864-11	SHORT CHIP	0					
L0702	1-216-864-11	SHORT CHIP	0			< CONNEC	TOR >	
L0703	1-216-864-11	SHORT CHIP	0					
L0704	1-216-864-11	SHORT CHIP	0		CN7442	*1-564-508-11	PLUG, CONNECTOR 5P	
					CN7443	*1-564-506-11	PLUG, CONNECTOR 3P	
	< TRANSIS	TOR >			CN7444	*1-770-723-11	CONNECTOR, BOARD TO	BOARD 8P
Q0701	8-729-010-05	TRANSISTOR MS	B709-RT	L		< DIODE	>	
Q0702	8-729-421-19	TRANSISTOR UN	2213					
					D7400	8-719-991-33	DIODE 1SS133T-77	
	< RESISTO	R >			D7401	8-719-991-33	DIODE 1SS133T-77	
					D7402	1-535-143-61	LEAD, JUMPER (5.0MM)	
R0702	1-216-841-11	RES-CHIP	47K	5% 1/10W	D7403	8-719-991-33	DIODE 1SS133T-77	
R0703	1-216-834-11	RES-CHIP	12K	5% 1/10W	D7404	8-719-991-33	DIODE 1SS133T-77	
R0704	1-216-841-11	RES-CHIP	47K	5% 1/10W				
R0705	1-216-841-11	RES-CHIP	47K	5% 1/10W	D7405	8-719-924-11	DIODE MTZJ-T-77-22	
R0706	1-216-817-11			5% 1/10W	D7406		DIODE MTZJ-T-77-22	
				-, -,				
R0707	1-216-829-11		4.7K			< FERRIT	E BEAD >	
R0708	1-216-841-11			5% 1/10W				
R0709	1-216-809-11			5% 1/10W	FB7400		LEAD, JUMPER (5.0MM)	
R0710	1-216-809-11	RES-CHIP	100	5% 1/10W	FB7401	1-535-143-61	LEAD, JUMPER (5.0MM)	
	< SWITCH	>				< COIL >		
S0701	1-692-431-21	SWITCH, TACTI	LE		L7400	1-414-934-21	INDUCTOR 10UH	
		•			L7402	1-414-934-21		
	< CRYSTAL	>			L7403	1-414-934-21		
X0701	1-795-590-11	QUARTZ CRYSTA	L UNIT			< TRANSI	STOR >	
					07400	0_700_010_00	TRANSISTOR MSD601-RS	π 1
					Q7400			
					Q7401 Q7402		TRANSISTOR MSD601-RS TRANSISTOR MSD601-RS	

CN6991 △ 1-580-843-11 PIN, CONNECTOR (POWER)

 ${\tt CN6992} \ \triangle \ {\tt *1-691-291-11} \ {\tt PIN}, \ {\tt CONNECTOR} \ ({\tt PC \ BOARD}) \ {\tt 5P}$



REF.NO.	PART.NO	DESCRIPTION	N	REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK
27403	8-729-119-78	TRANSISTOR 2	SC2785-HE	'E	CN6993	1-695-915-11	TAB (CONTACT)		
27404	8-729-026-49	TRANSISTOR 2	SA1037AK-	·T146-R					
27405	8-729-026-39	TRANSISTOR 2	SA933AS-Ç	T		< FUSE >			
27406	8-729-045-05	TRANSISTOR 2	SA2005						
Q7407	8-729-045-04	TRANSISTOR 2	SC5511		F6991 △	1-576-232-11	FUSE (H.B.C.)	5A/250V	
					Δ	1-533-725-11	HOLDER, FUSE	(F6991)	
Q7408	8-729-026-49	TRANSISTOR 2	SA1037AK-	-T146-R					
Q7409	8-729-010-29	TRANSISTOR M	SD601-RST	1		< RESISTO	OR >		
	< RESISTO	OR >			R6991 A	1-202-719-00	SOLID	1M 10%	1/2W
R7400	1-216-017-91	RES-CHIP	47 5	5% 1/10W		< SWITCH	>		
R7401	1-216-061-91	RES-CHIP	3.3K 5	5% 1/10W					
R7402	1-216-041-00	RES-CHIP	470 5	5% 1/10W	S6991 △	1-571-433-21	SWITCH, PUSH	(AC POWER)	
R7403	1-249-393-11	CARBON	10 5	5% 1/4W					
R7404	1-249-413-11	CARBON	470 5	5% 1/4W		< VARISTO	OR >		
R7405	1-216-065-91	RES-CHIP	4.7K 5	5% 1/10W	VD6991 △	1-803-830-11	VARISTOR (ER	ZV14D621)	
R7407	1-249-411-11	CARBON	330 5	5% 1/4W					
R7409	1-216-029-00			5% 1/10W	*A-164	16-243-A H1	Board, Com	plete	
R7410	1-216-017-91			5% 1/10W					
R7411	1-216-017-91	RES-CHIP	47 5	5% 1/10W		4-206-220-01	HOLDER, LED		
R7412	1-216-017-91	RES-CHIP	47 5	5% 1/10W		< CAPACIT	TOR >		
R7413	1-249-414-11	CARBON	560 5	5% 1/4W					
R7414	1-249-432-11		18K 5	5% 1/4W	C0992	1-104-665-11	ELECT	100UF	20.00% 25V
R7415	1-247-739-11		100 5	5% 1/2W	C0993	1-102-114-00	CERAMIC	470PF	10.00% 50V
R7416	1-249-389-11			5% 1/4W	C0994	1-102-129-00	CERAMIC	0.01UF	10.00% 50V
R7417	1-249-432-11	CARRON	18K 5	5% 1/4 W		< CONNECT	OR >		
R7418	1-249-414-11			5% 1/4W		(001111201			
R7419	1-249-421-11		2.2K 5		CN0991	*1-564-507-11	PLUG. CONNECT	OR 4P	
R7420	1-249-421-11		2.2K 5	•		_ *** *** **			
R7421	1-249-389-11			5% 1/4W		< DIODE >	>		
11/421	1 249 309 11	CANDON	2.7	70 1/411		()2002 /			
R7422	1-249-405-11	CARBON	100 5	5% 1/4 W	D0991	8-719-109-89	DIODE RD5.6ES	SB2	
R7423	1-249-405-11			5% 1/4W 5% 3W	D0993	8-719-082-12			
R7427	1-215-915-11			5% 1/10W	20000	J .15 VVL 1E		· -	
R7428	1-216-023-11			5% 1/10W		< IC >			
R7420	1-216-033-00			5% 1/10W		. 20 /			
	1 210 033-00	NEO CHIE	220	, o 1/10H	IC0991	8-742-180-30	HYB IC SBX308	31-51 (30)	
R7432	1-216-065-91	PEC-CHID	4.7K 5	5% 1/10W		3 . 12 200 30		- 0- (00)	
R7433	1-249-395-11			5% 1/10W		< RESISTO	OR >		
R7433	1-249-395-11			5% 1/4W 5% 1/4W		, 140101(·-· ·		
R7435	1-216-031-00			5% 1/10W	R0992	1-247-807-31	CARRON	100 5%	1/4W
R7436	1-216-031-00			5% 1/10W	10332		V WV.11		-, -"
	1-210-043-11	VE9-CUIL			*A-164	17-043-A H2	Board, Com	plete	
*A-162	25-000-A F4	Board, Com	plete			< CAPACI	OR >		
	*4-374-846-01	COVER, CAPAC	ITOR, CAE	TYPE					
					C2906	1-126-960-11		1UF	20.00% 50V
	< CAPACIT	TOR >			C2907	1-126-960-11	ELECT	1UF	20.00% 50V
					C2913	1-162-964-11	CERAMIC CHIP	0.001UF	10.00% 50V
C6991 △	1-113-924-11	CERAMIC	0.0047UE	20.00% 250V	C2914	1-162-964-11	CERAMIC CHIP	0.001UF	10.00% 50V
	, AA1111FA	IOD >				/ COMPLECE	TOP \		
	< CONNECT	IUK >				< CONNECT	IVK >		
					1				

CN2900

CN2906

1-779-947-11 TERMINAL BLOCK, S

*1-564-524-11 PLUG, CONNECTOR 9P



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
CN2908	1-564-521-11	PLUG, CONNECTOR 6P					
	< SOCKET	>					
	V BOOKET						
J2900	1-750-264-11	JACK					
	< COIT >						
L0904	1-535-143-61	LEAD, JUMPER (5.0MM)					
L2900	1-535-143-61	LEAD, JUMPER (5.0MM)					
L2901	1-535-143-61	LEAD, JUMPER (5.0MM)					
L2902	1-535-143-61	LEAD, JUMPER (5.0MM)					
L2903	1-535-143-61	LEAD, JUMPER (5.0MM)					
	< RESISTO	OR >					
R912	1-535-143-61	LEAD, JUMPER (5.0MM)					
R0901	1-249-427-11	CARBON 6.8K 5%	1/4W				
R0902	1-215-445-00	METAL 10K 1%	1/4W				
R0911	1-249-419-11	CARBON 1.5K 5%	1/4W				
R0913	1-247-843-11	CARBON 3.3K 5%	1/4W				
R0914	1-249-431-11	CARBON 15K 5%	1/4W				
R2903	1-249-406-11	CARBON 120 5%	1/4W				
R2904	1-249-406-11	CARBON 120 5%	1/4W				
R2909	1-247-895-91	CARBON 470K 5%	1/4W				
R2910	1-247-895-91	CARBON 470K 5%	1/4W				
R2915	1-249-406-11	CARBON 120 5%	1/4W				
R2916	1-249-406-11	CARBON 120 5%	1/4W				
R2917	1-249-412-11	CARBON 390 5%	1/4W				
R2918	1-249-412-11	CARBON 390 5%	1/4W				
	< SWITCH	>					
S0900	1-692-979-11	SWITCH, TACTILE					
S0901	1-692-979-11	SWITCH, TACTILE					
S0902	1-692-979-11	SWITCH, TACTILE					

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO
MISCE	ELLANEOUS				4-088-479-4
		SWITCH, PUSH (AC PO	•		4-088-479-1
	△ 1-823-853-11	CORD, POWER (KV-281 KV-32FX66E/32FX66	FX66B/28FX66E/32FX66B/		4-088-952-2
	A 1_776_960_12	POWER CORD, FILTER	· ·		
	21 170 000 12	(KV-28FX66U/32FX66			4-088-952-3
		(20211000) 02211100			. 000 302 0
	1-424-855-11	COIL, CHOKE 29MMH			4-088-952-1
	8-598-535-12	FRONTEND BTF-EF411	(KV-28FX66B/32FX66B)		
	8-598-533-01	FRONTEND BTF-EC411	(KV-28FX66E/32FX66E/		4-088-952-5
			KV-32FX66K)		
	8-598-529-01	FRONTEND BTF-EU611	(KV-28FX66U/32FX66U)		
					4-088-952-6
	△ 1-453-378-21	'	FLYBACK (NX6020//Z214) -28FX66)		
	↑ 1_453_444_11	•	FLYBACK (NX6020//Z2B4)		4-088-952-4
	ZA 1 100 111 II		-32FX66)		4-000-332-4
	1_520_800_11	SPEAKER (4.2x24CM)	022007		
	1 323 033 11	DEBARER (4.2A24CH)			
	1-529-417-11	SPEAKER (8CM) (KV-28	3FX66)		4-088-952-7
		SPEAKER (4.2x24CM)	·		
	△ 8-451-521-21	DEFLECTION YOKE (YZ	28RVC3-B2) (KV-28FX66)		
		DEFLECTION YOKE (Y		REMOT	E COMMAN
	1-419-363-11	COIL, NA ROTATION	(RT200) (KV-28FX66)		1-477-155-1
					1-4//-133-1
		COIL, NA ROTATION			
		NECK ASSY, (NA299-N COIL, DEGAUSSING (N			
		COIL, DEGAUSSING (F	· ·		
		CAP ASSY, HIGH-VOLT			
		311 1101 / 11011 VOI	1.11 20211007		
	△ 1-251-374-32	CAP ASSY, HIGH-VOLT	PAGE (KV-32FX66)		
		PICTURE TUBE (W66LI			
		PICTURE TUBE (W76L)			
	1-452-094-00	MAGNET, ROTATABLE I	DISK; 15MM		
	4 450 000 00			1	

ACCESSORIES AND PACKAGING MATERIALS

*4-395-957-01 BAG, PROTECTION (KV-28FX66)

1-452-032-00 MAGNET, DISK; 10MM

*4-046-772-01 BA	G, PROTECTION (KV-32FX66)					
*4-088-337-01 PA	PER CUSHION ASSY (KV-28FX66)					
*4-205-513-01 CU	SHION (UPPER) (ASSY) (KV-32FX66)					
*4-205-514-01 CU	SHION (LOWER) (ASSY) (KV-32FX66)					
*4-089-384-01 IN	DIVIDUAL CARTON (KV-28FX66)					
*4-205-512-01 IN	DIVIDUAL CARTON (KV-32FX66)					
4-088-479-21 IN	STRUCTION MANUAL (KV-28FX66B)					
(GE	RMAN/FRENCH/ITALIAN/DUTCH)					
4-088-479-01 IN	STRUCTION MANUAL (KV-28FX66B)					
(EN	GLISH)					
4-088-479-61 IN	STRUCTION MANUAL (KV-28FX66E)					
(SPANISH/PORTUGUESE/DANISH/FINNISH/						
NORWEGIAN/SWEDISH)						

4-088-479-51 INSTRUCTION MANUAL (KV-28FX66E)

(ITALIAN)

F.NO.	PART.NO	DESCRIPTION	REMARK
	4-088-479-41	INSTRUCTION MANUAL	(KV-28FX66E)
		(GERMAN/GREEK/TURKIS	SH)
	4-088-479-11	INSTRUCTION MANUAL	(KV-28FX66U) (ENGLISH)
	4-088-952-21	INSTRUCTION MANUAL	(KV-32FX66B)
		(GERMAN/FRENCH/ITAL)	IAN/DUTCH)
	4-088-952-31	INSTRUCTION MANUAL	(KV-32FX66B)
		(ENGLISH)	
	4-088-952-11	INSTRUCTION MANUAL	(KV-32FX66E)
		(GERMAN/GREEK/TURKIS	SH)
	4-088-952-51	INSTRUCTION MANUAL	(KV-32FX66E)
		(ITALIAN)	
			(-m- 0006-)
	4-088-952-61	INSTRUCTION MANUAL	'
		(SPANISH/PORTUGUESE/	DANISH/FINNISH/
		NORWEGIAN/SWEDISH)	
	4-088-952-41	INSTRUCTION MANUAL	(KV-32FX66K)
		(BULGARIAN/CZECH/ENG	GLISH/HUNGARIAN/
		POLISH/RUSSIAN)	
	4-088-952-71	THE THE TAX WAS TO THE TAX TO THE	/WI 20EV66II\
	4-000-932-71		(NV-32EA00U)
		(ENGLISH)	

NDER

-11 REMOTE COMMANDER (RM-937)